

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

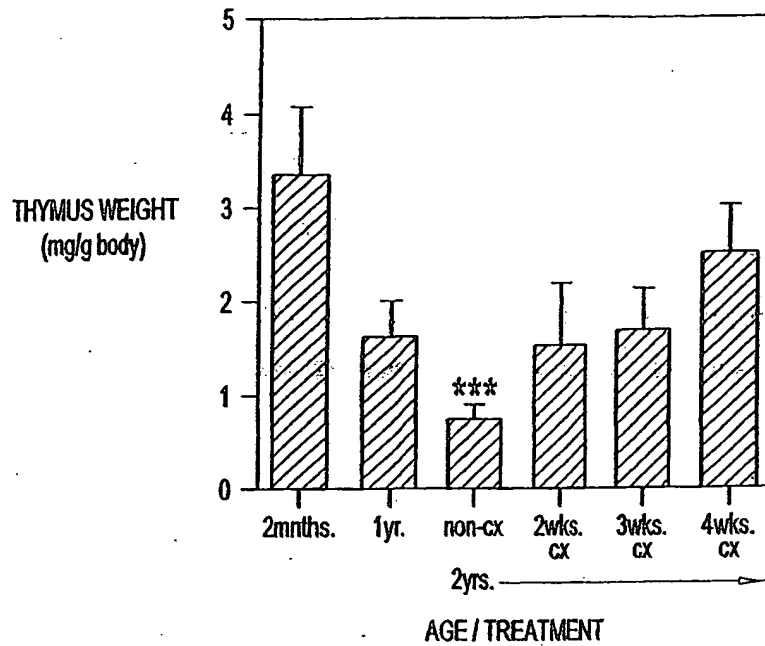


Figure 1A

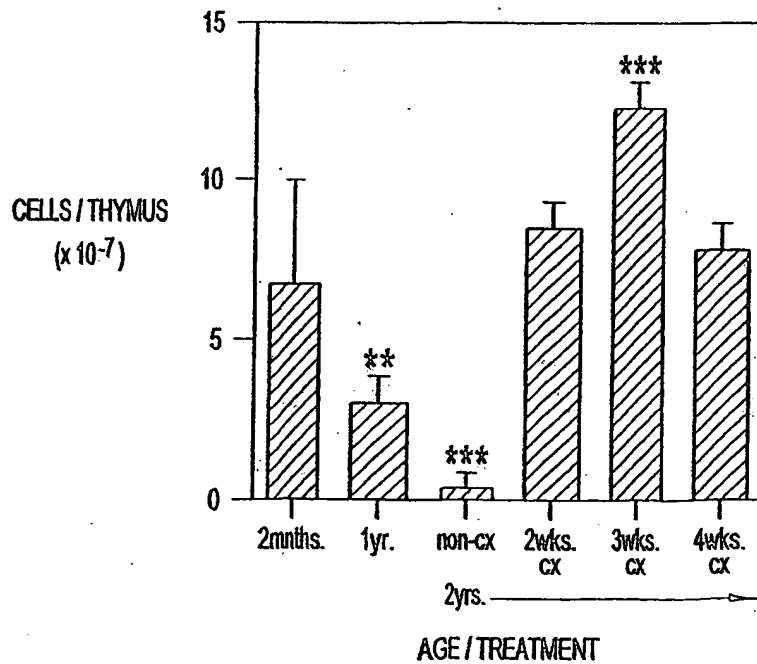


Figure 1B

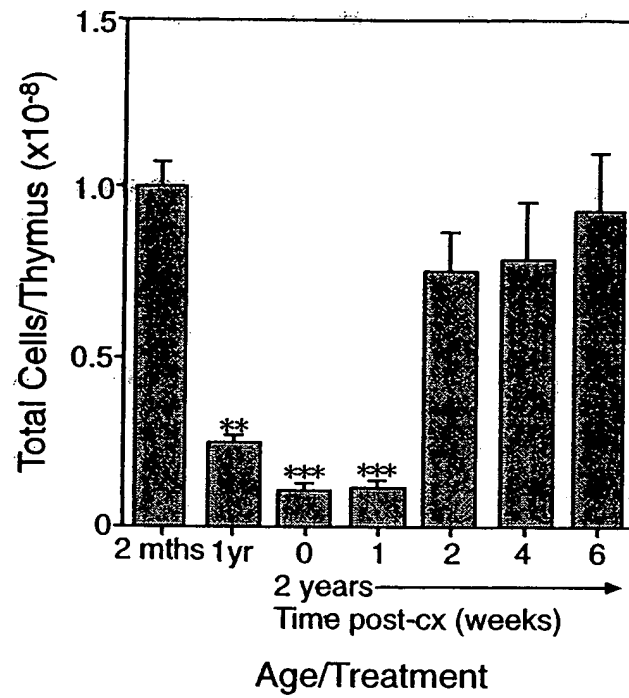


FIGURE 1 c

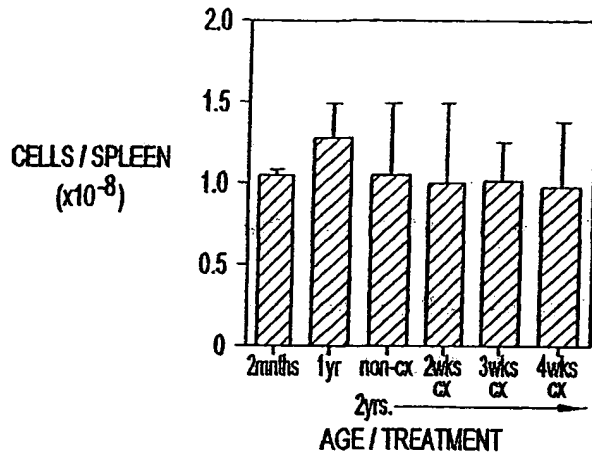


Figure 2A

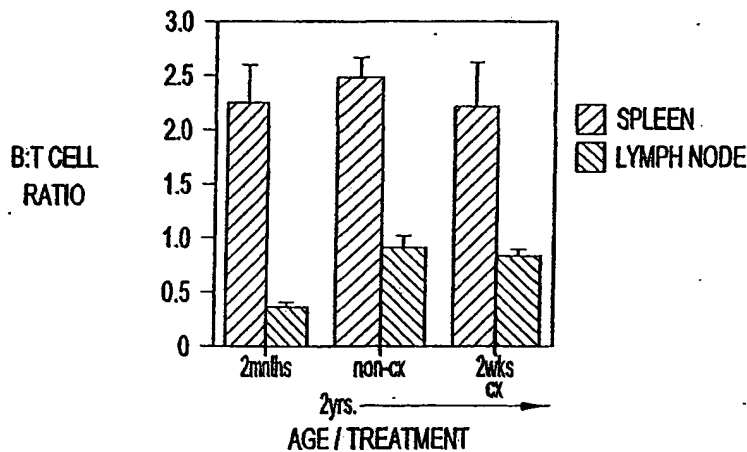


Figure 2c

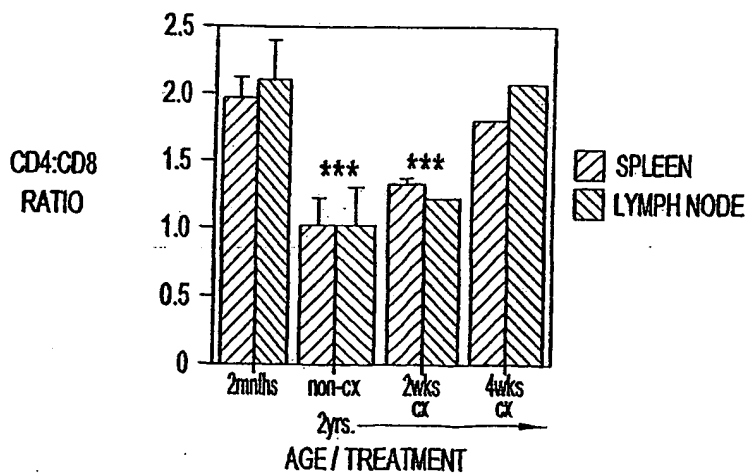


Figure 2E

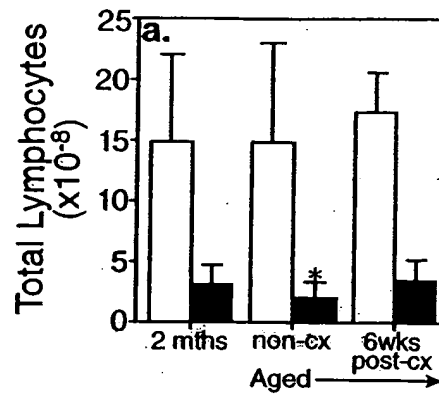


Figure 2B

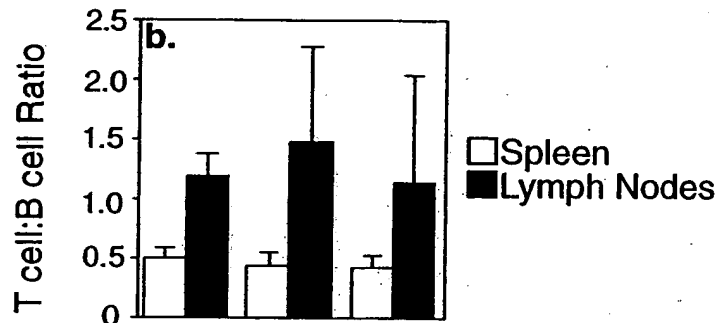


Figure 2D

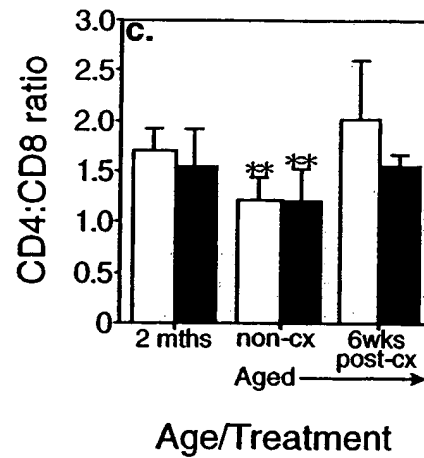


Figure 2F

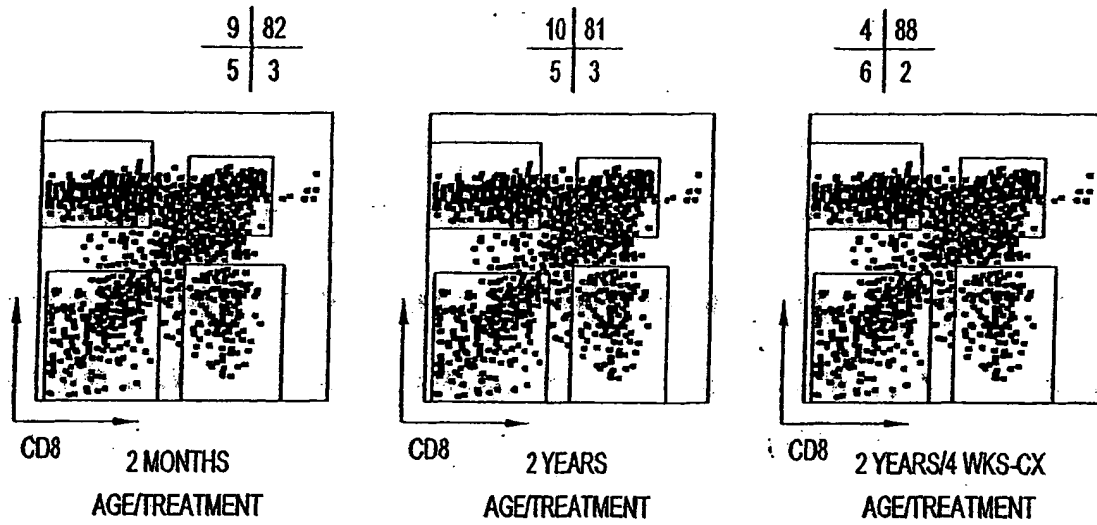


Figure 3

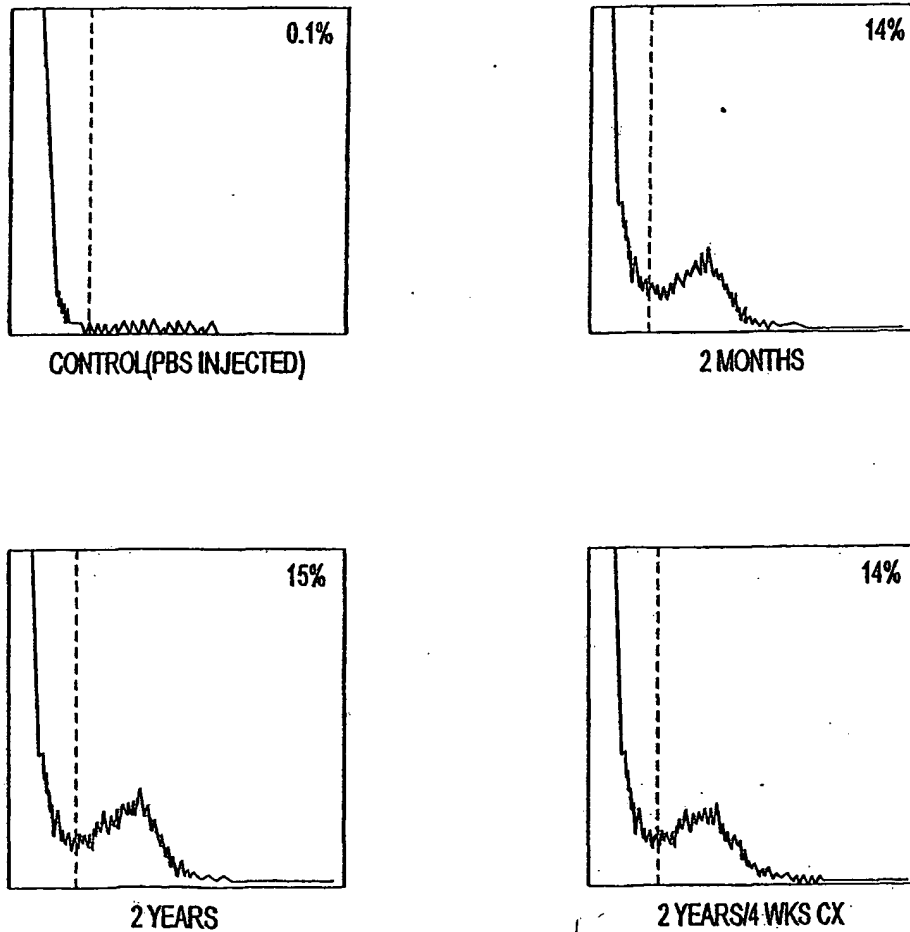


Figure 4_A

Figure 4B

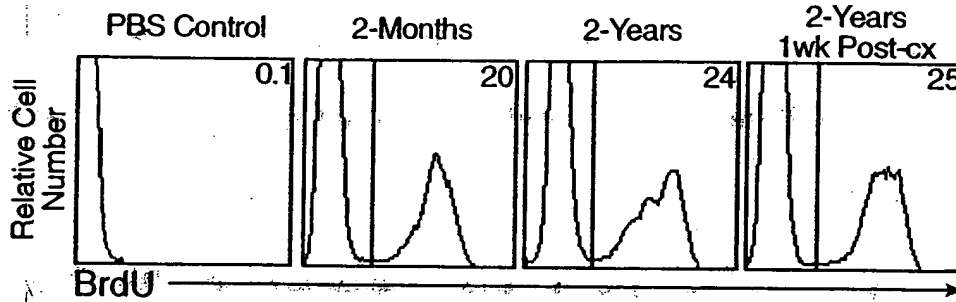
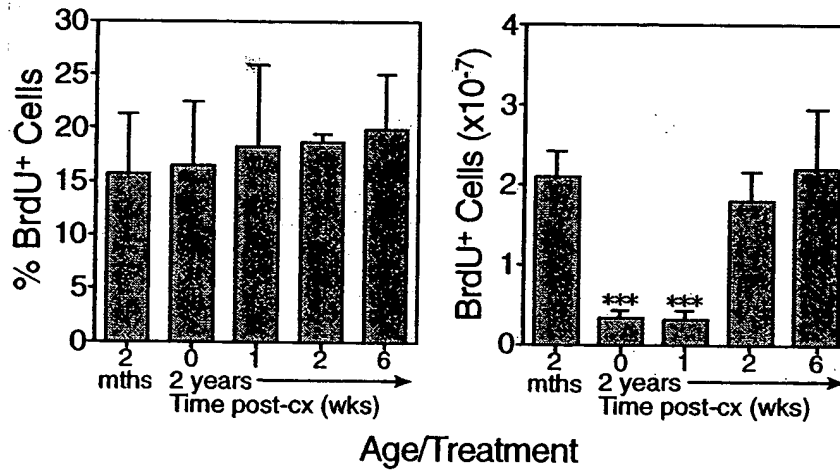


Figure 4C



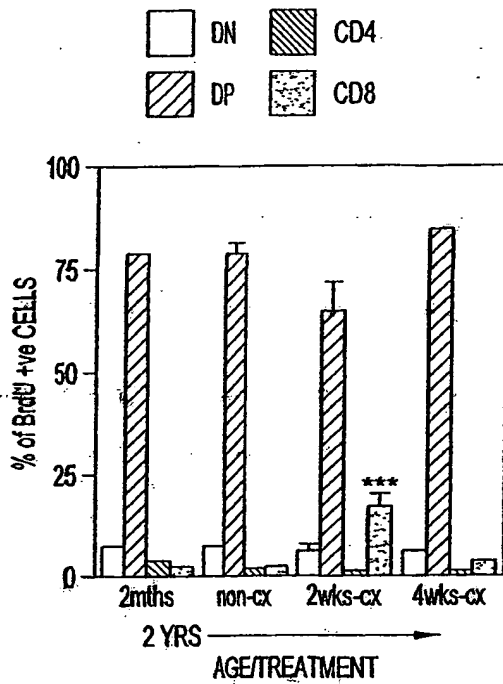


Figure 5A

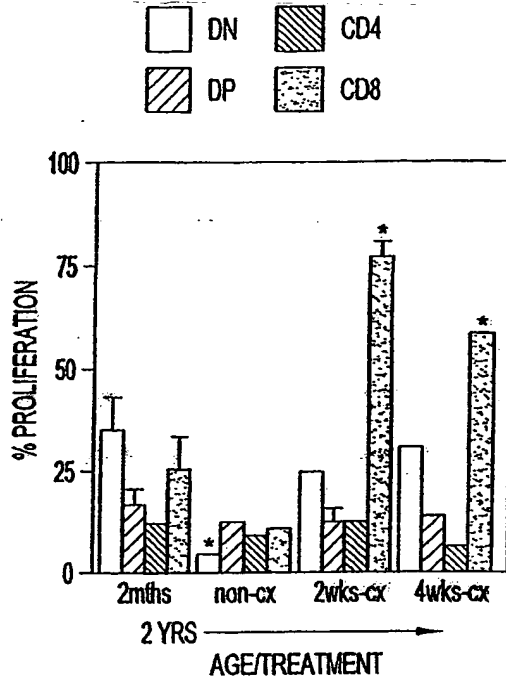


Figure 5B

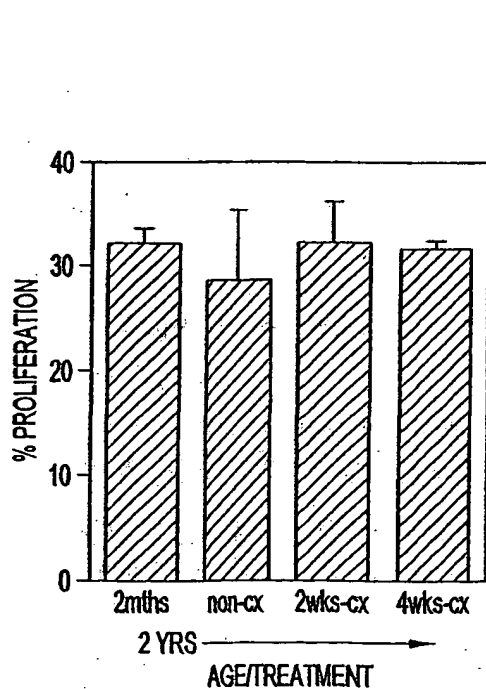


Figure 5F

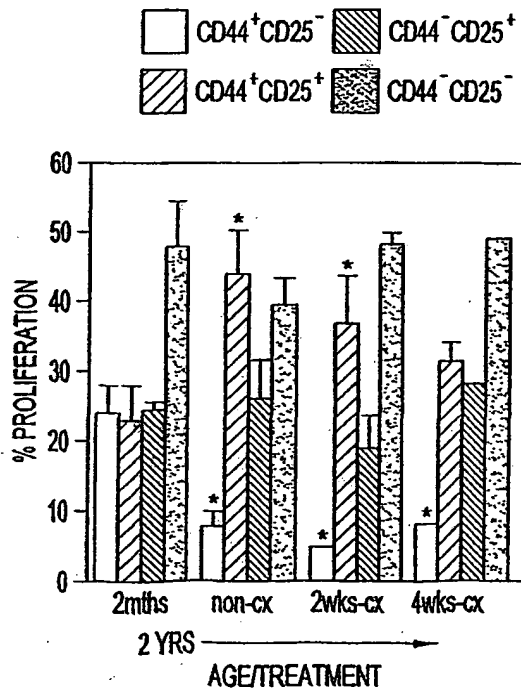
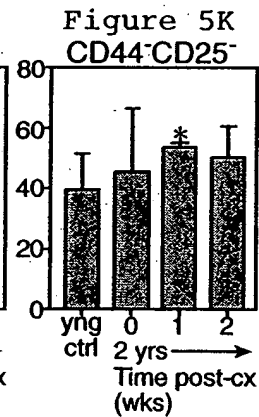
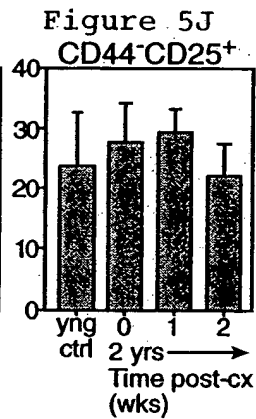
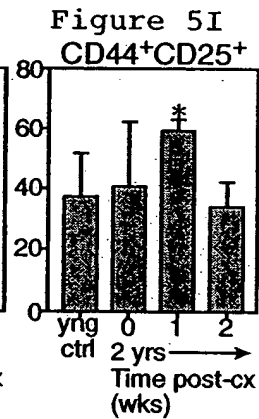
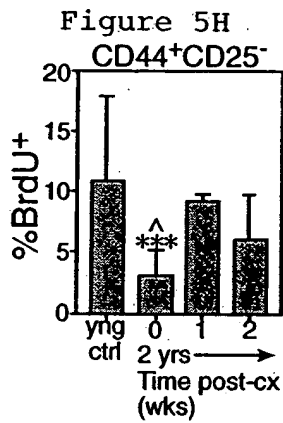
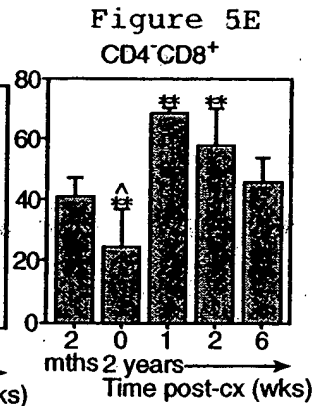
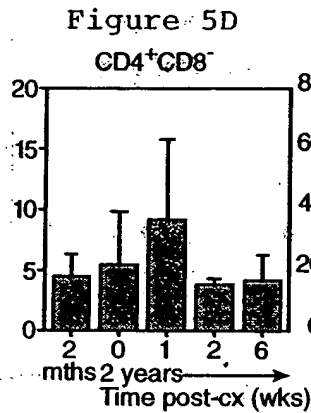
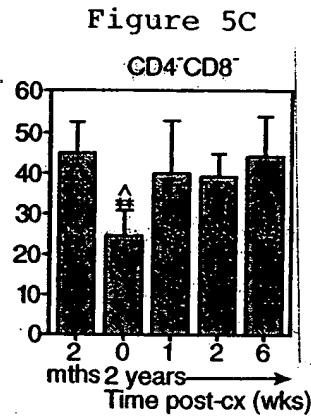


Figure 5G



Age/Treatment

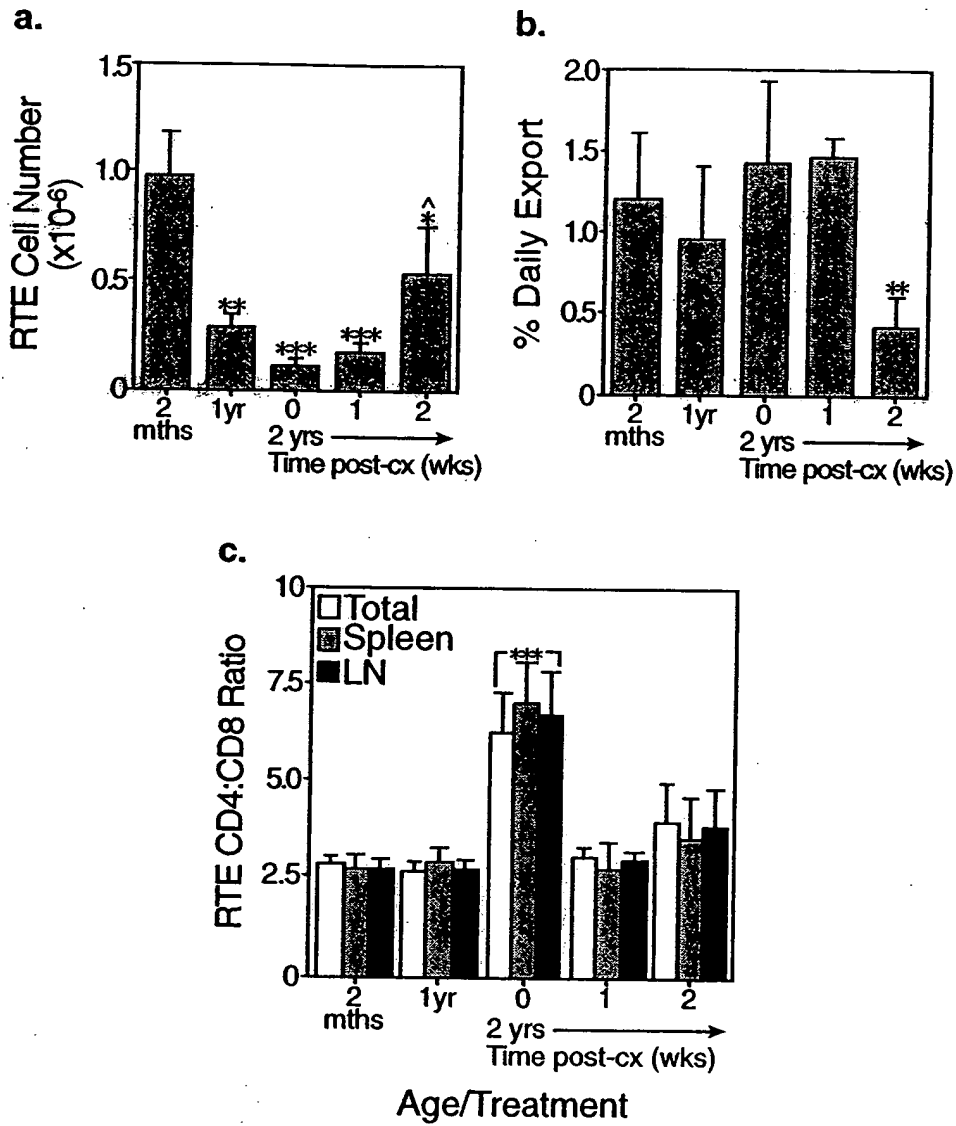


FIGURE 6.

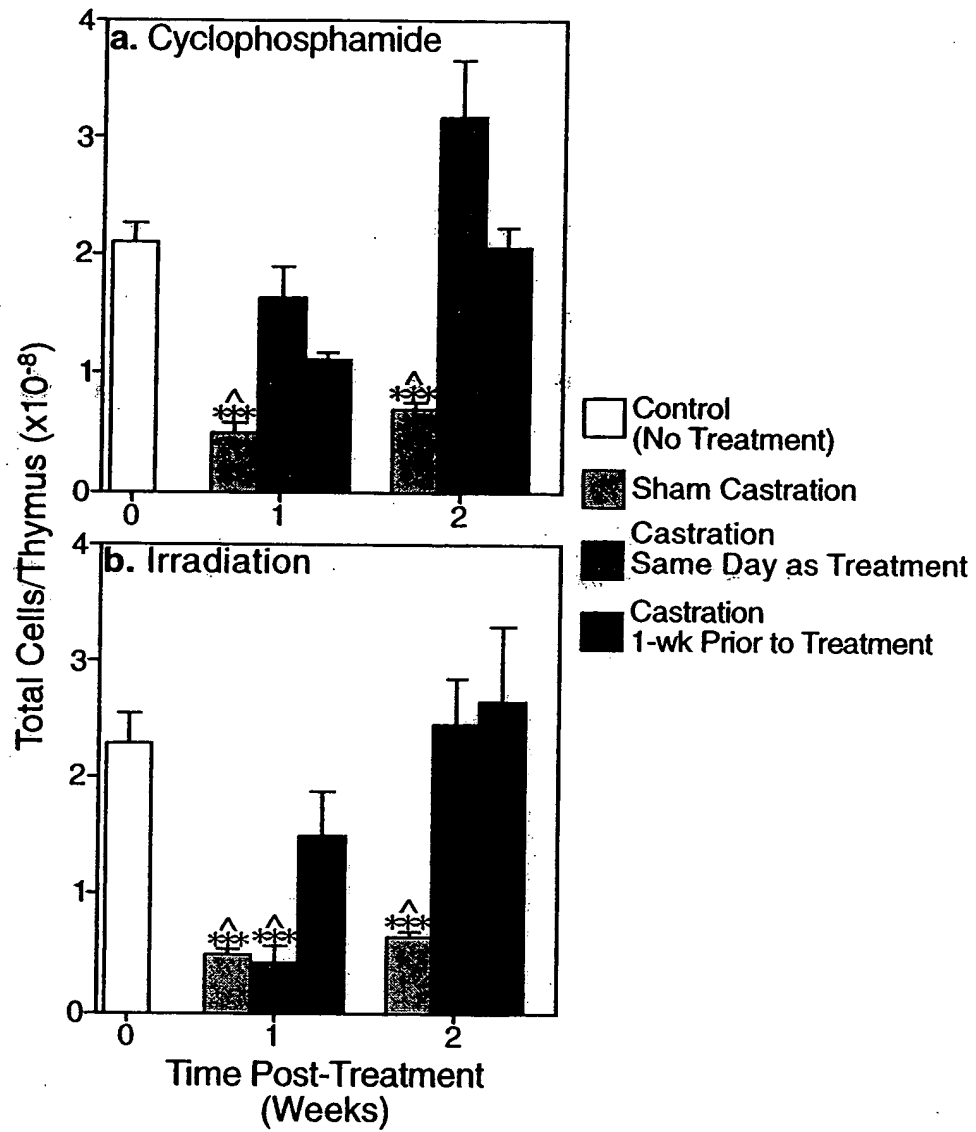


FIGURE 7.

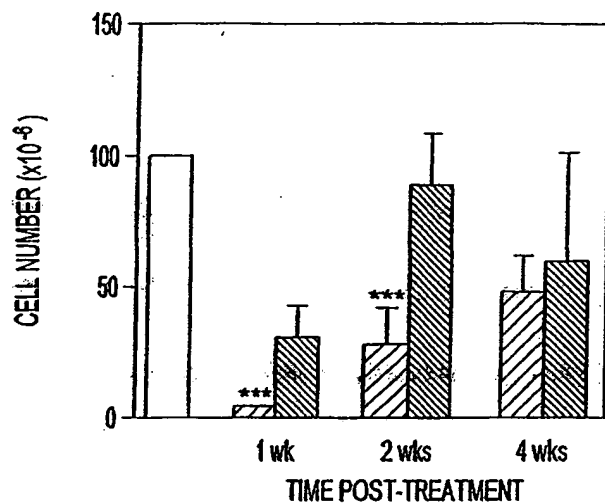


Figure 8A

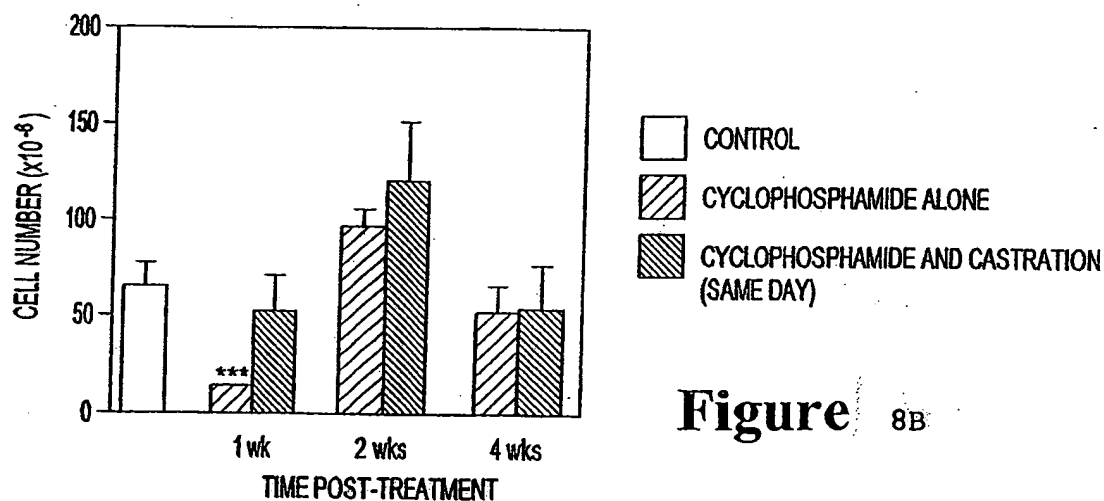


Figure 8B

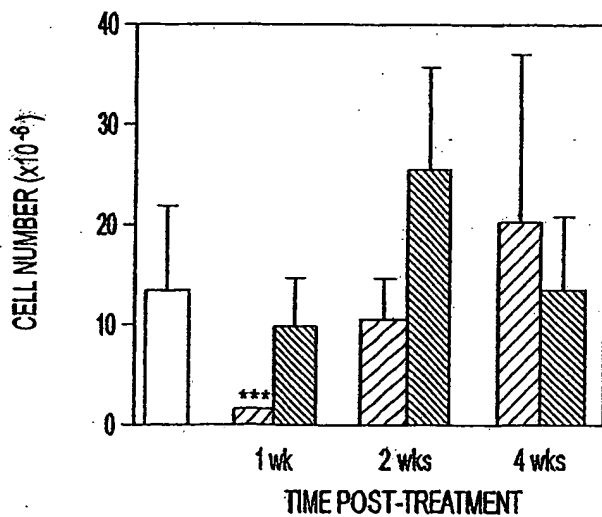


Figure 8C

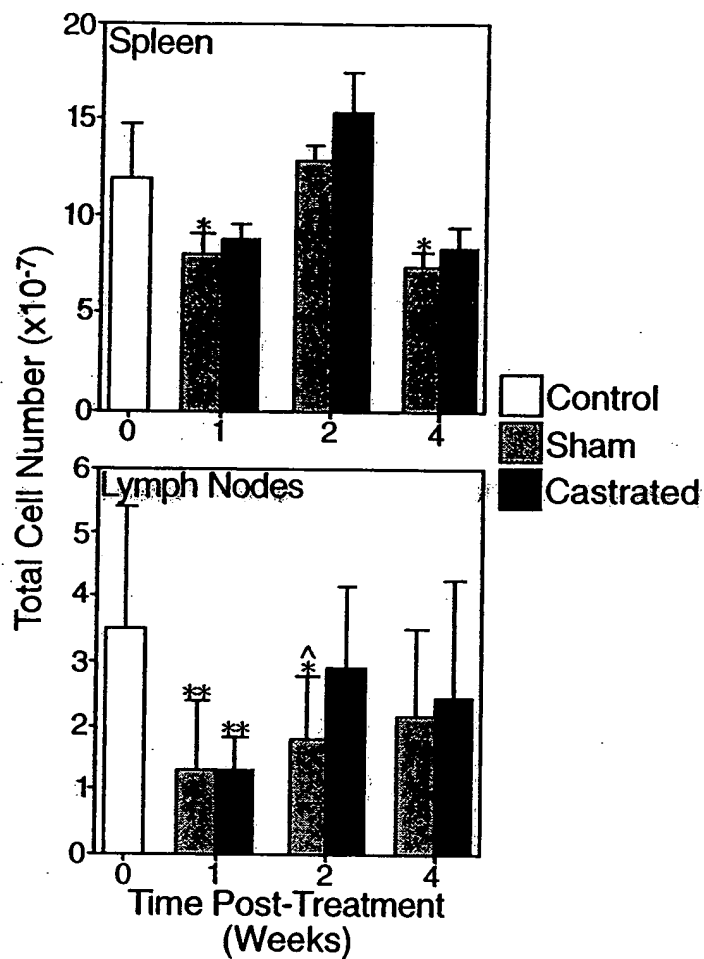


Figure 9A

Figure 9B

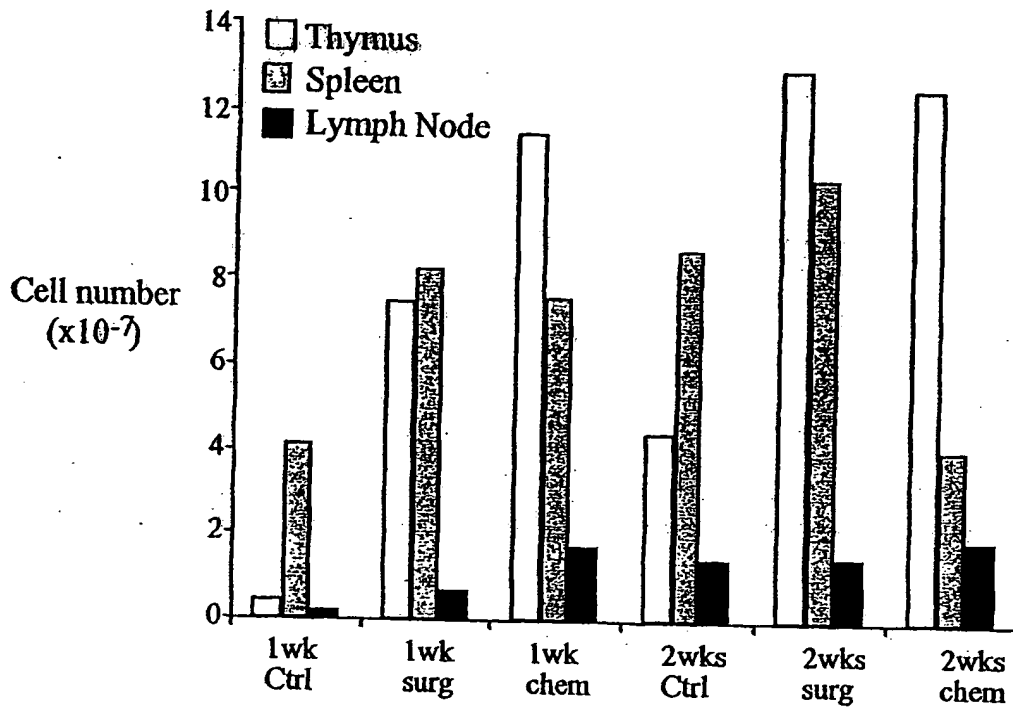


Figure 10

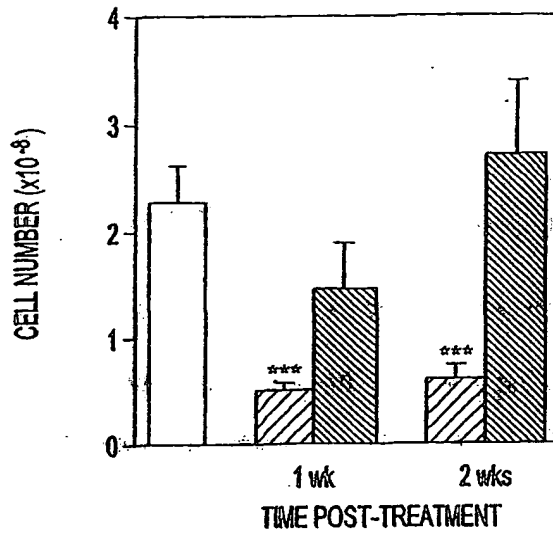
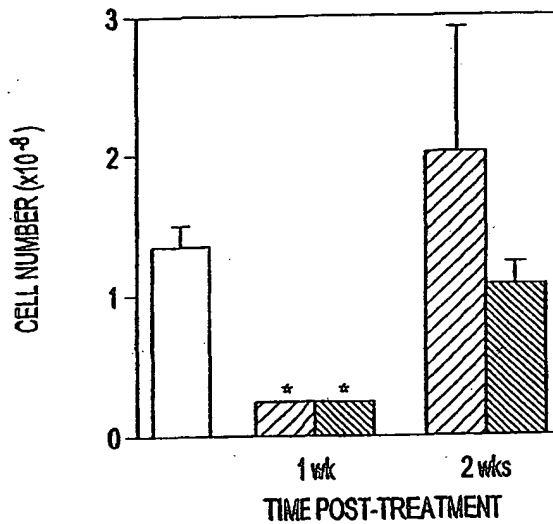


Figure 11A



CONTROL
 IRRADIATION ALONE
 CASTRATION/IRRADIATION
 one week prior to treatment

Figure 11B

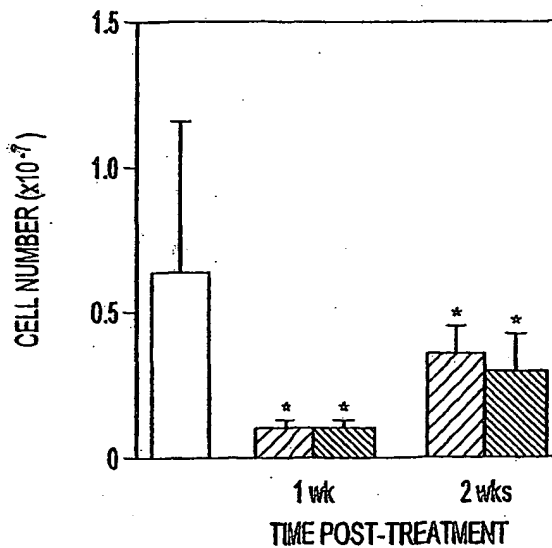


Figure 11C

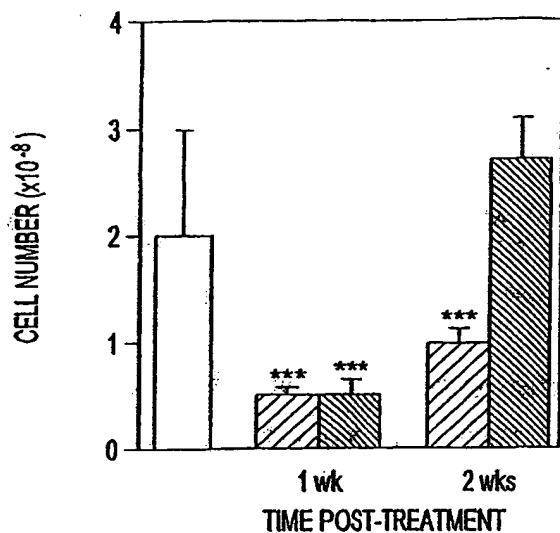


Figure 12A

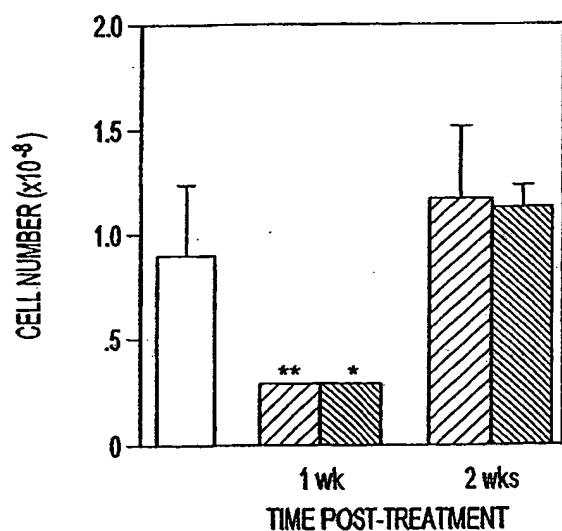


Figure 12B

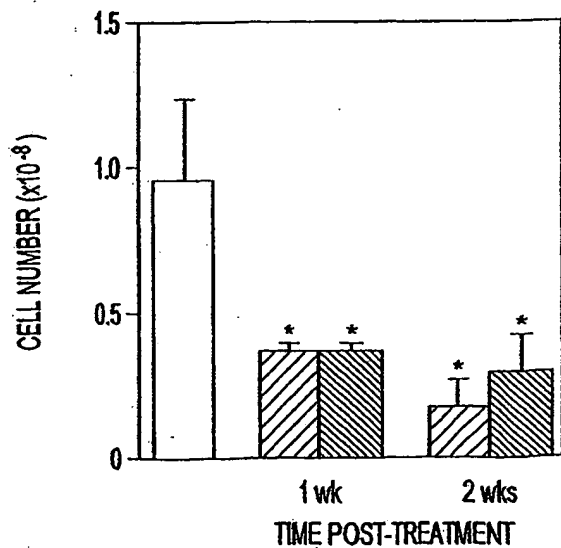


Figure 12C

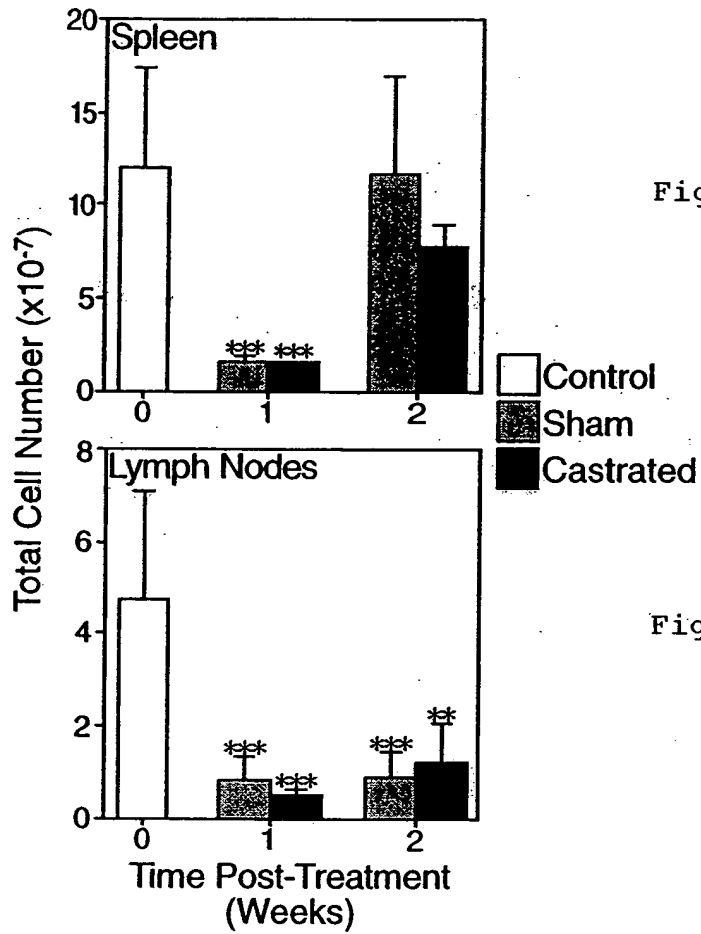


Figure 13A

Figure 13B

LN size post-HSV inoculation

LN cell
number
($\times 10^{-6}$)

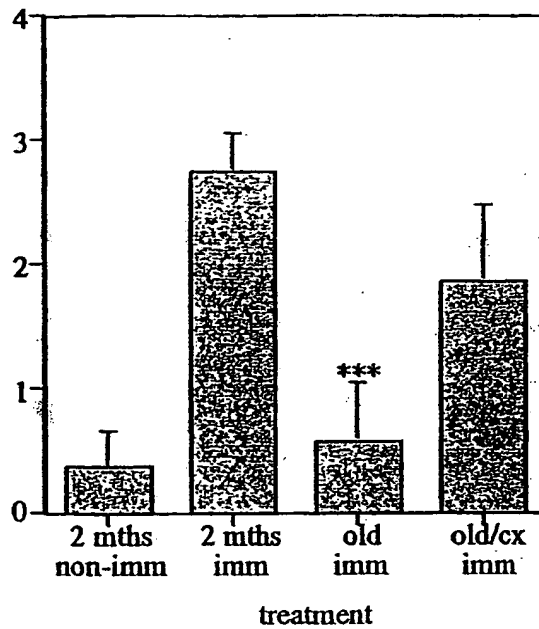


Fig. 14A

Activated cell numbers

activated
cells
($\times 10^{-4}$)

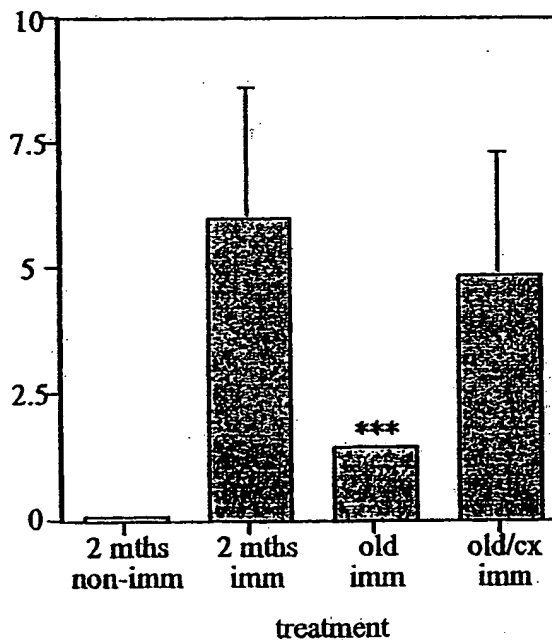
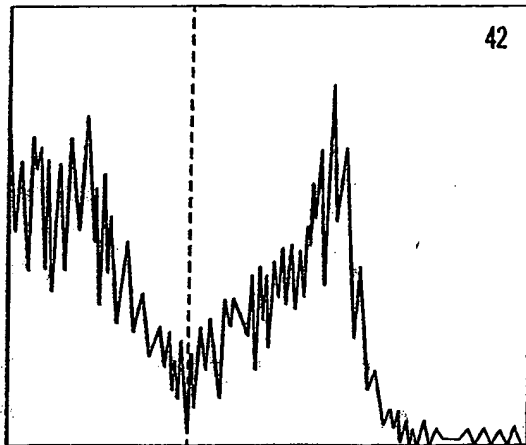
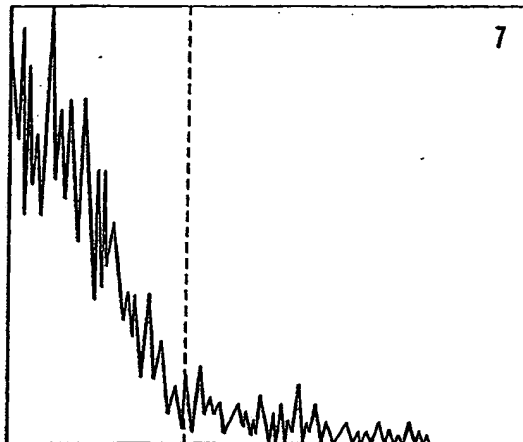


Fig. 14B



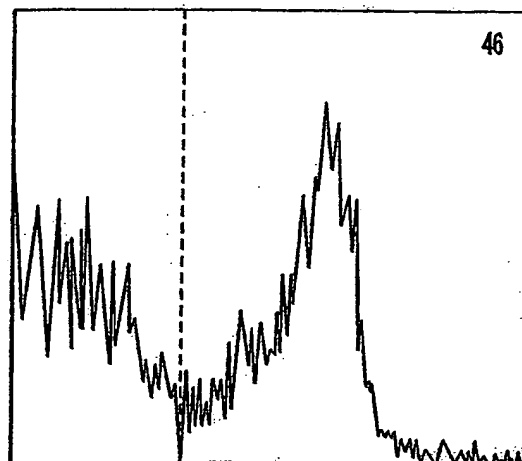
2 MONTHS

Figure 15A



18 MONTHS

Figure 15B



18 MONTHS
CASTRATED

Figure 15c

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Stimulation of Thymus for Vaccination
Development
DOCKET NO.: NOR-011CP2/286336.150
19 OF 45

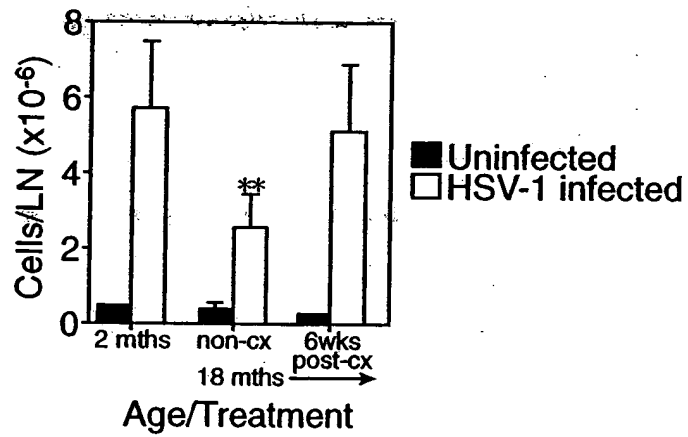


FIGURE 16

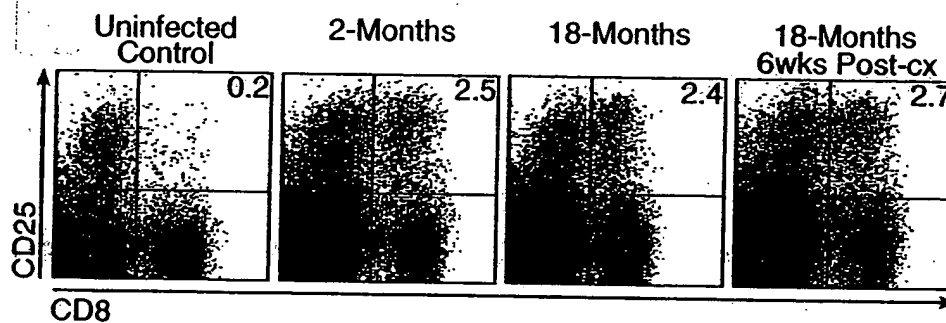


Figure 17A

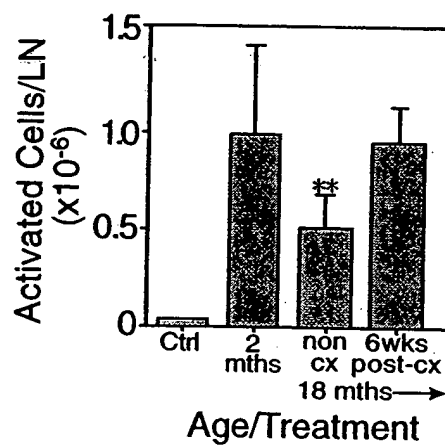


Figure 17B

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Stimulation of Thymus for Vaccination
Development
DOCKET NO.: NOR-011CP2/286336.150
21 OF 45

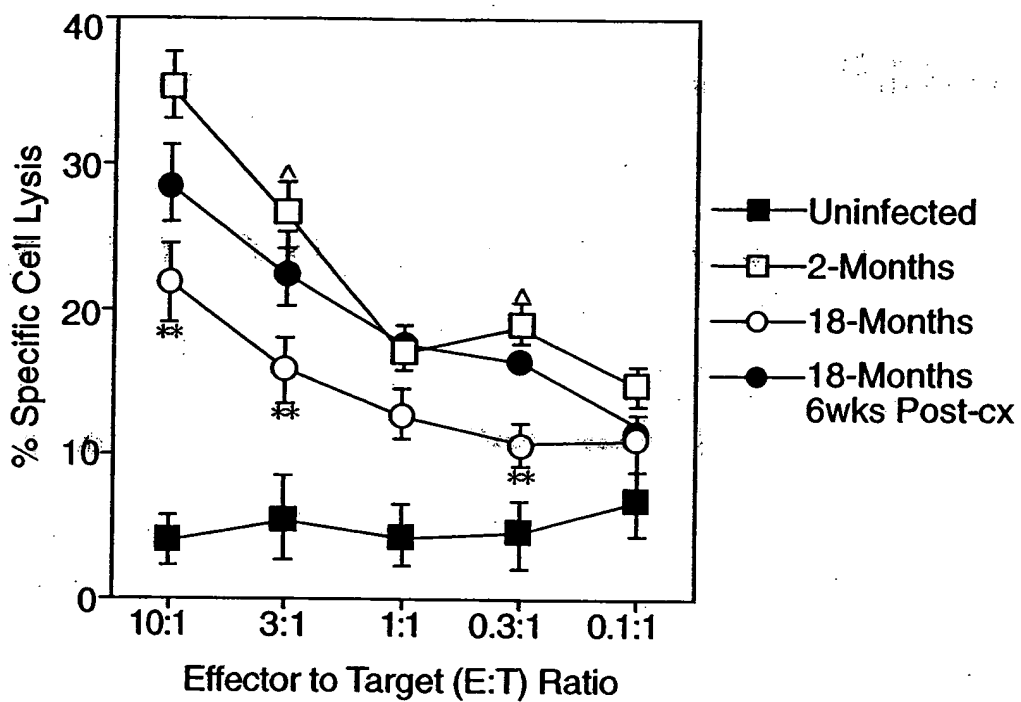


FIGURE 18

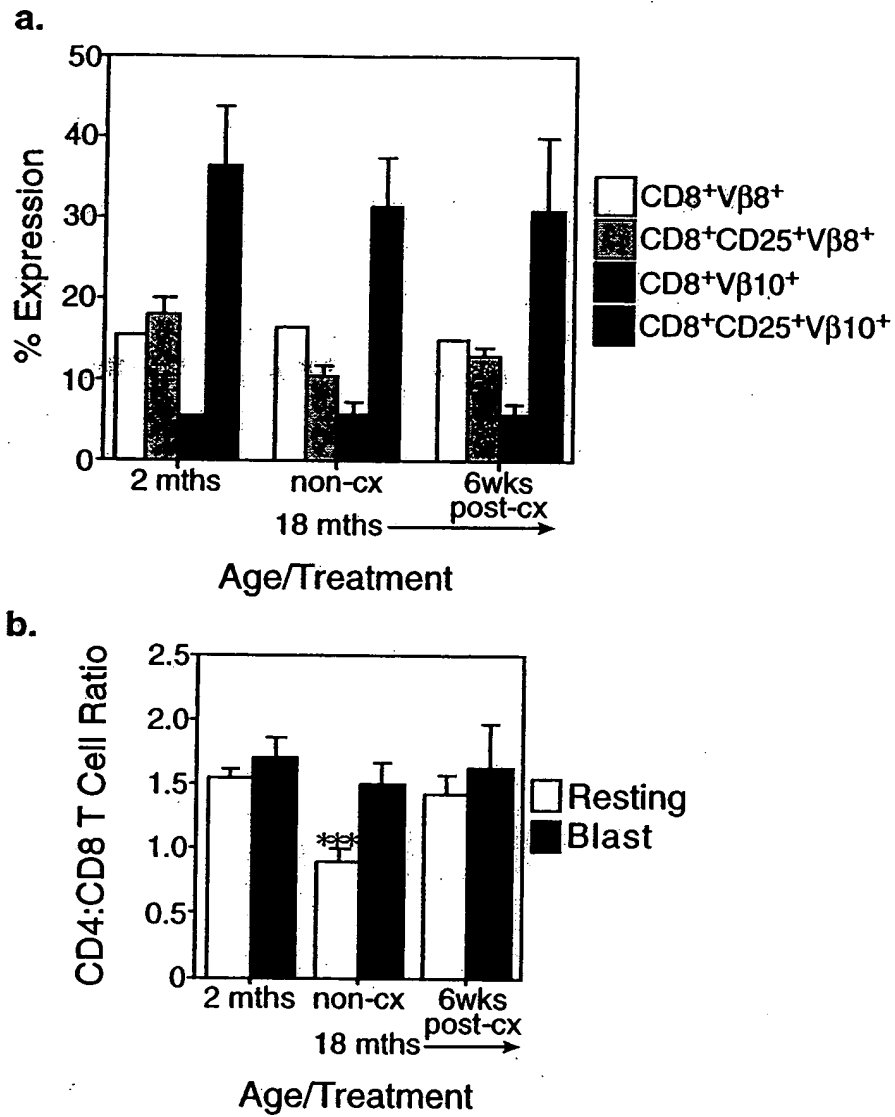


FIGURE 19

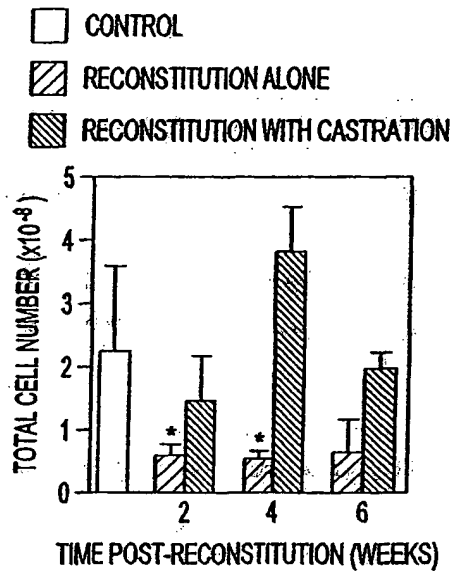


Figure 20A

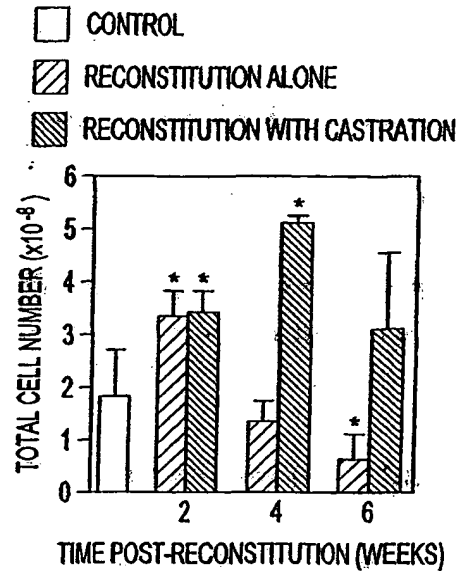


Figure 20B

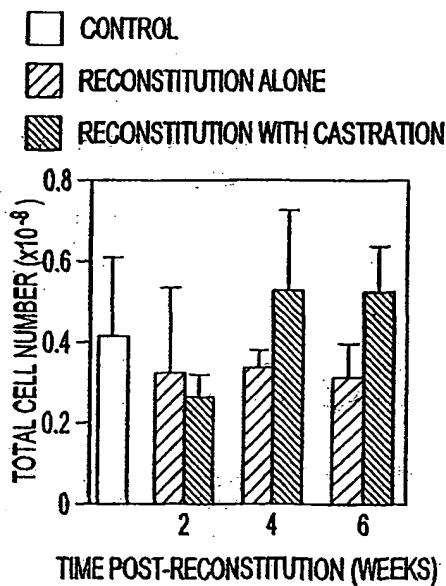


Figure 20C

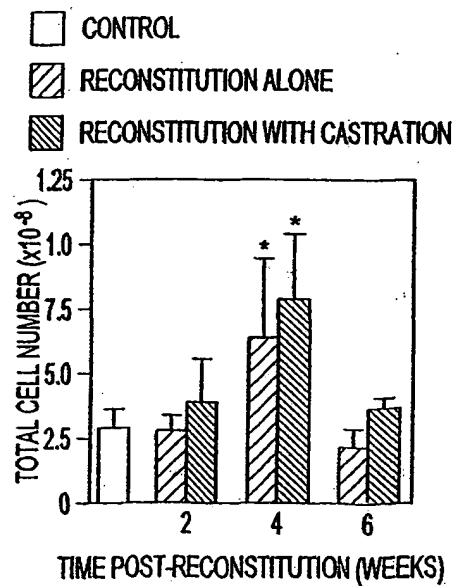


Figure 20D

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Stimulation of Thymus for Vaccination
Development
DOCKET NO.: NOR-011CP2/286336.150
21 OF 45

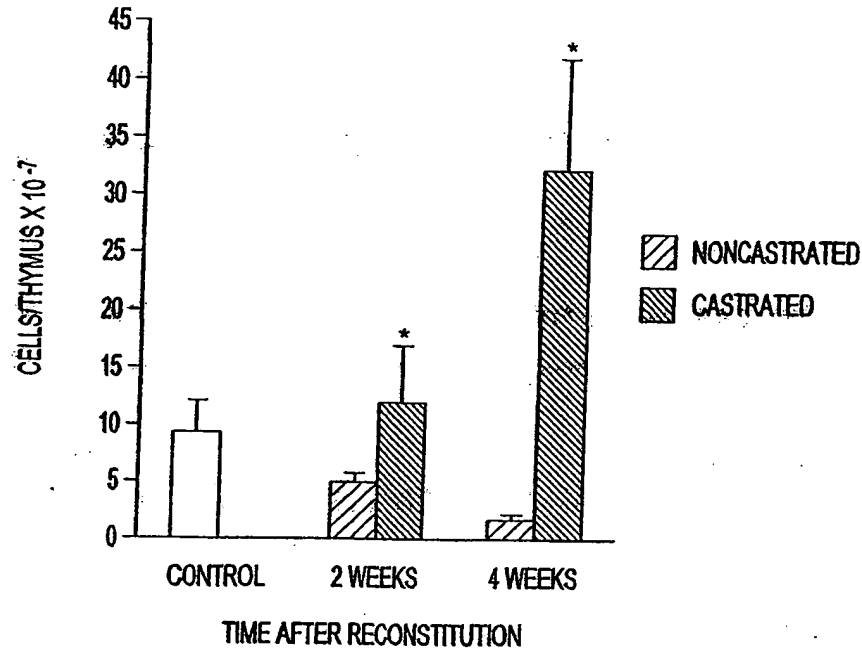


Figure 21A

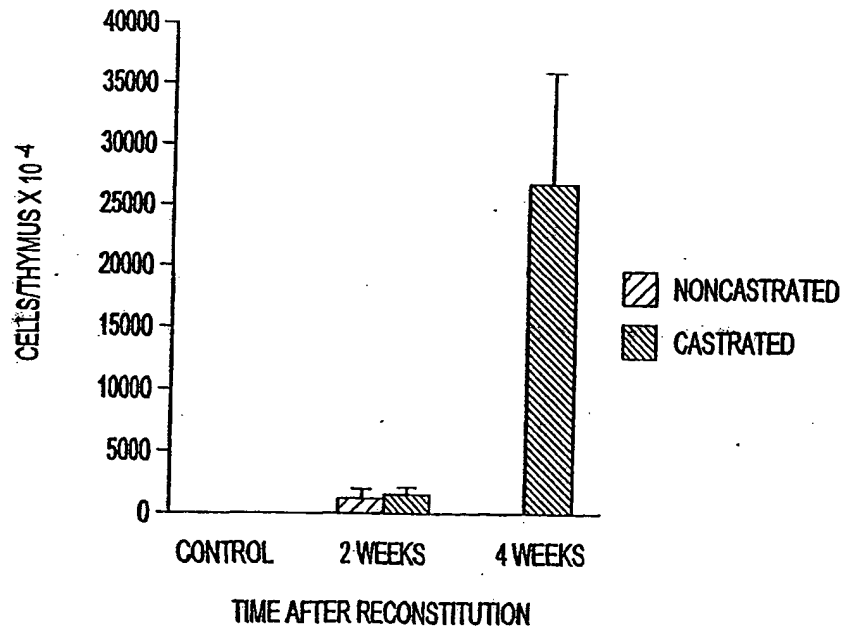


Figure 21B

APPLICANT: Boyd
 APPLN. NO.: TBD
 FILING DATE: December 30, 2003
 TITLE: Stimulation of Thymus for Vaccination
 Development
 DOCKET NO.: NOR-011CP2/286336.150
 22 OF 45

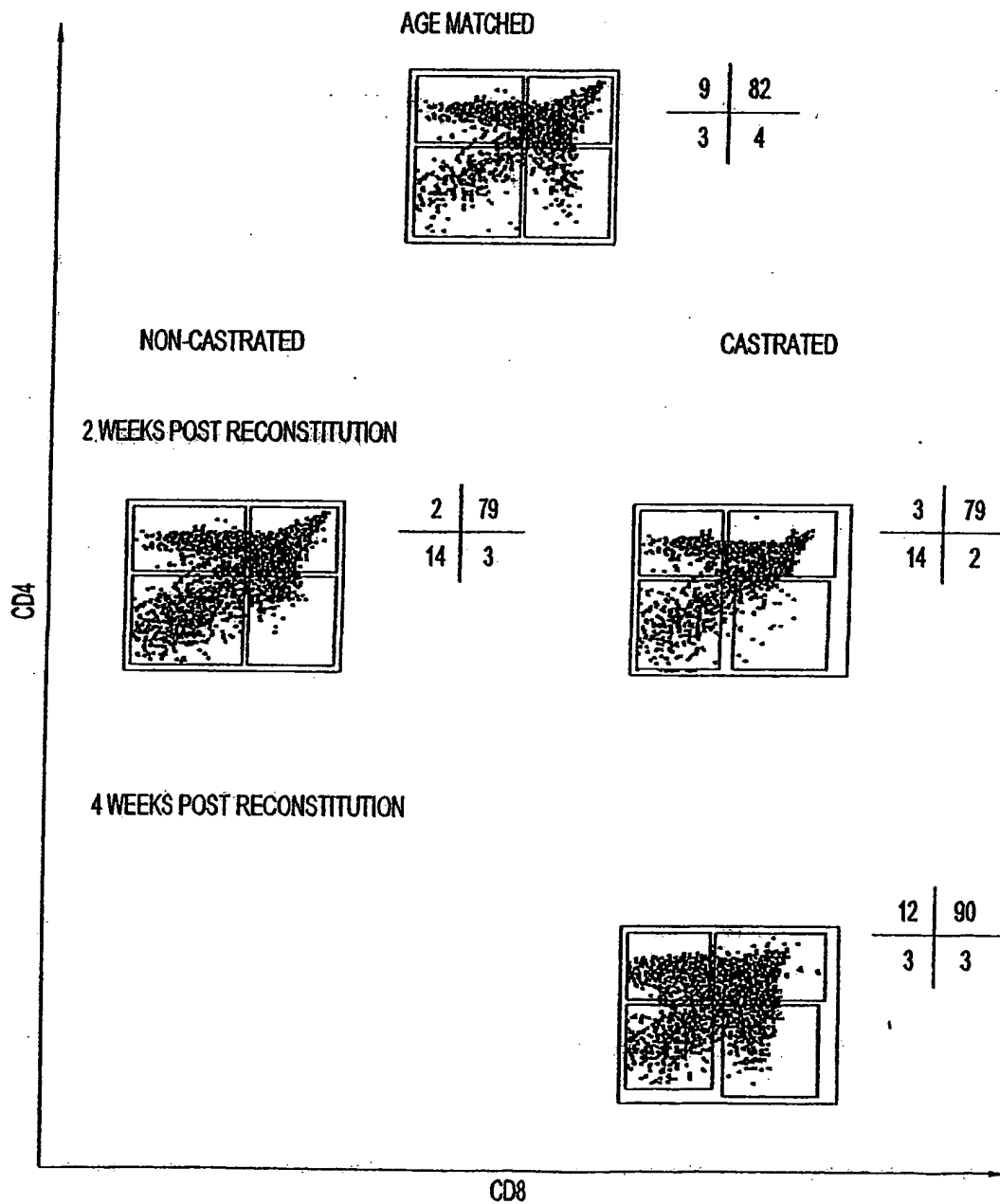


Figure 22

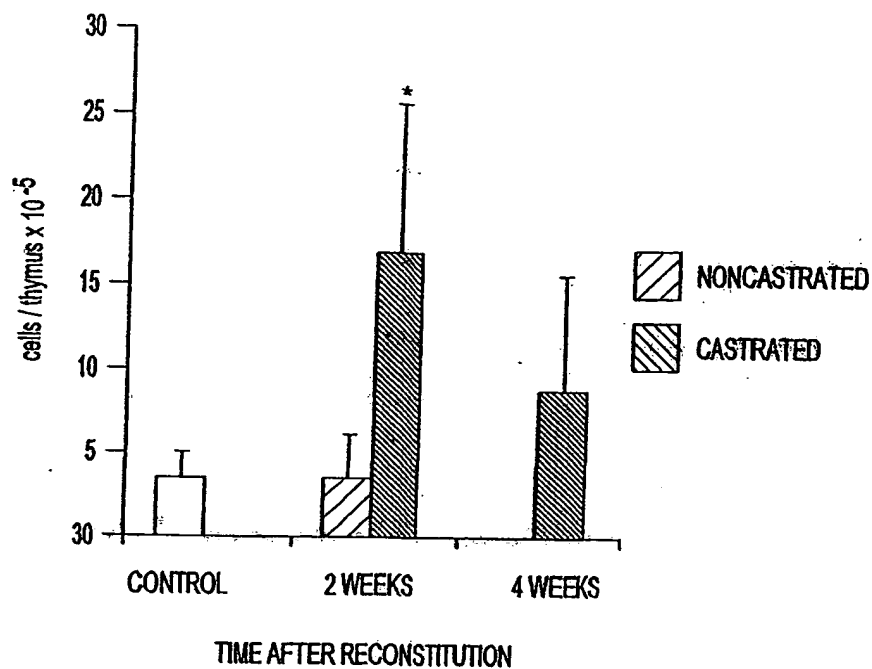


Figure 23A

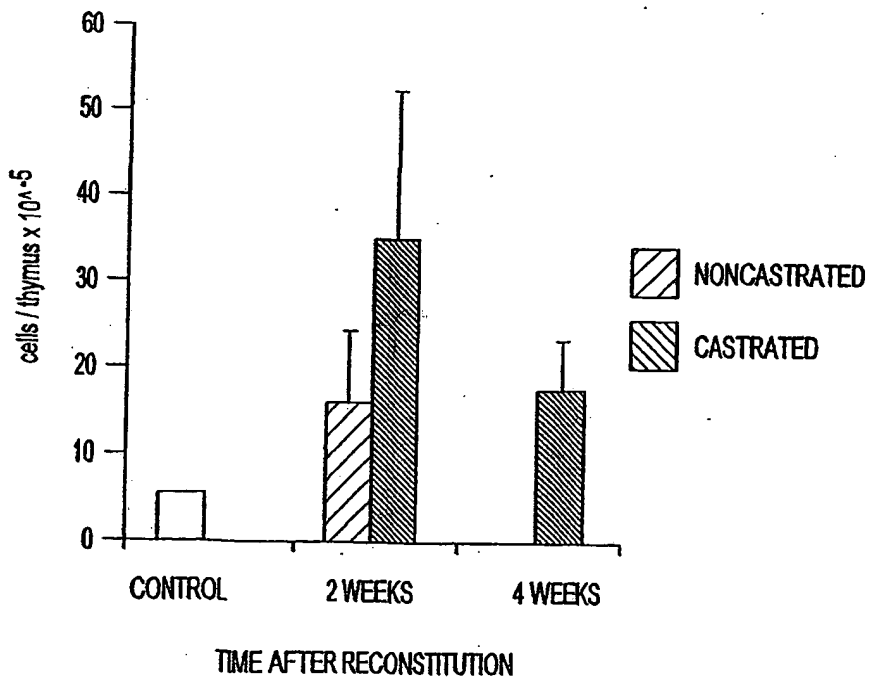


Figure 23B

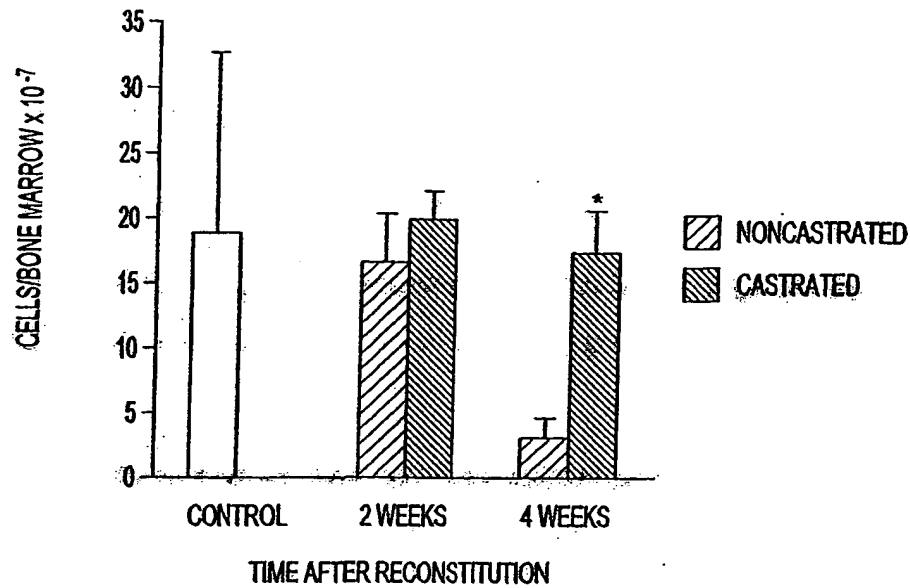


Figure 24A

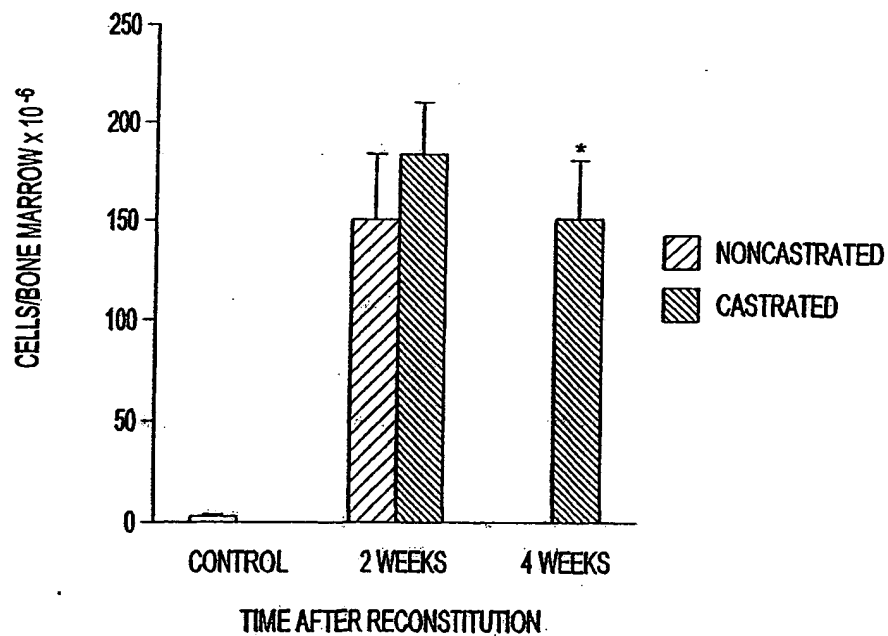


Figure 24B

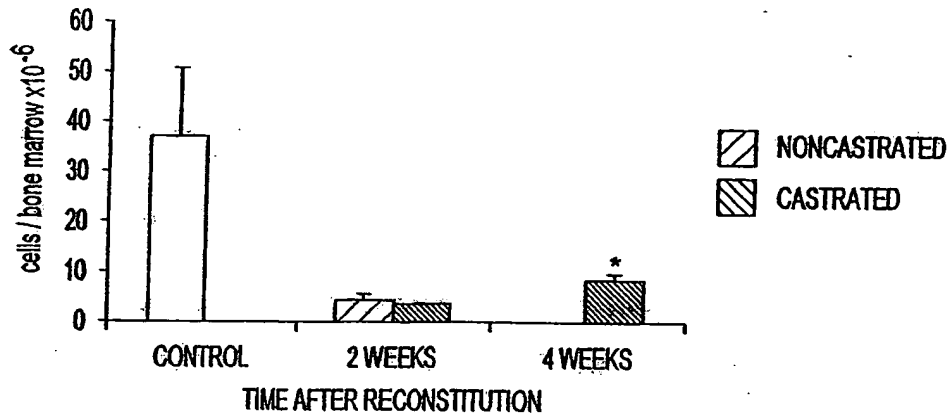


Figure 25A



Figure 25B

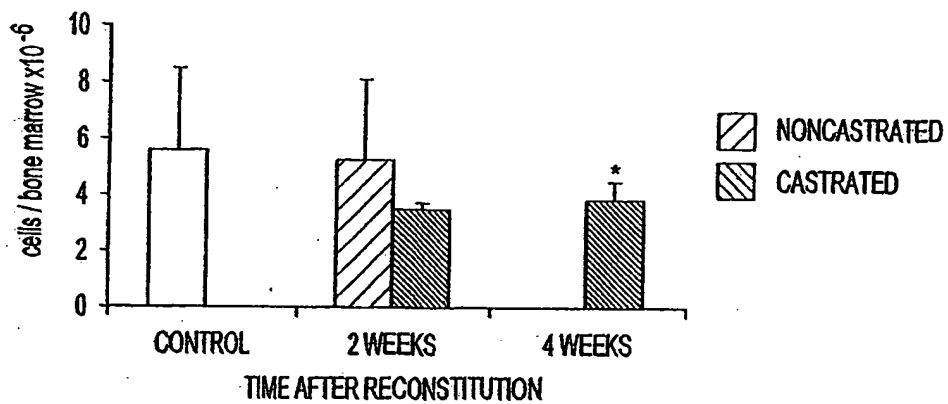


Figure 25C

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Stimulation of Thymus for Vaccination
Development
DOCKET NO.: NOR-011CP2/286336.150
29 OF 45

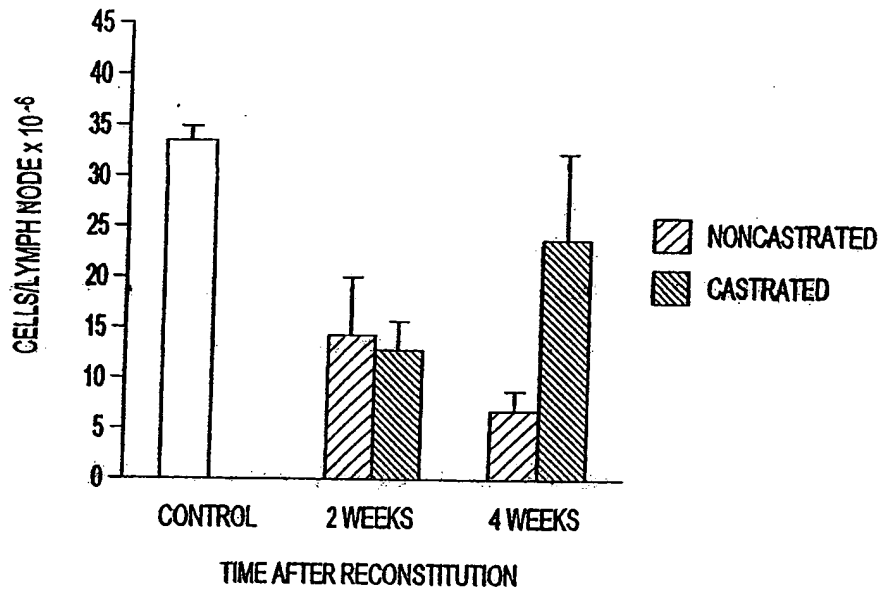


Figure 26A

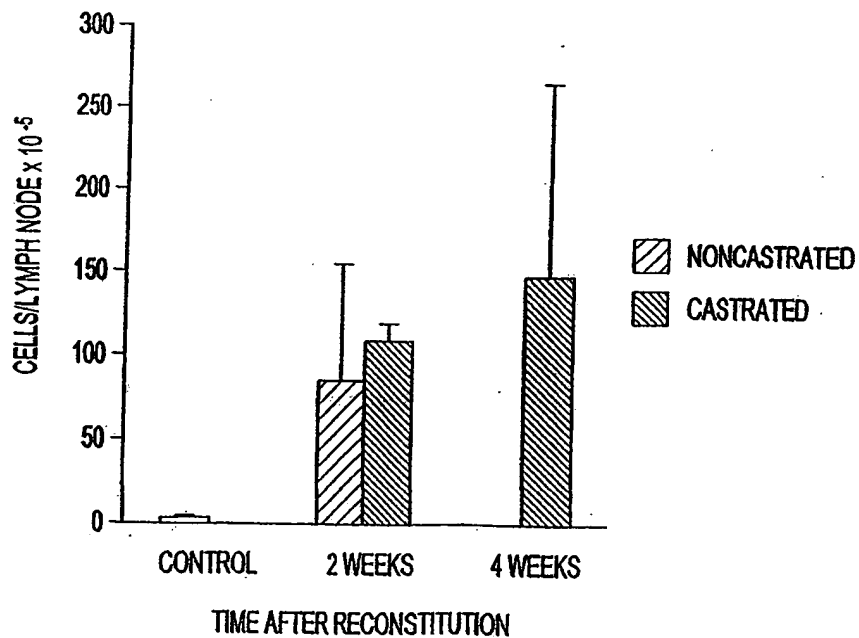
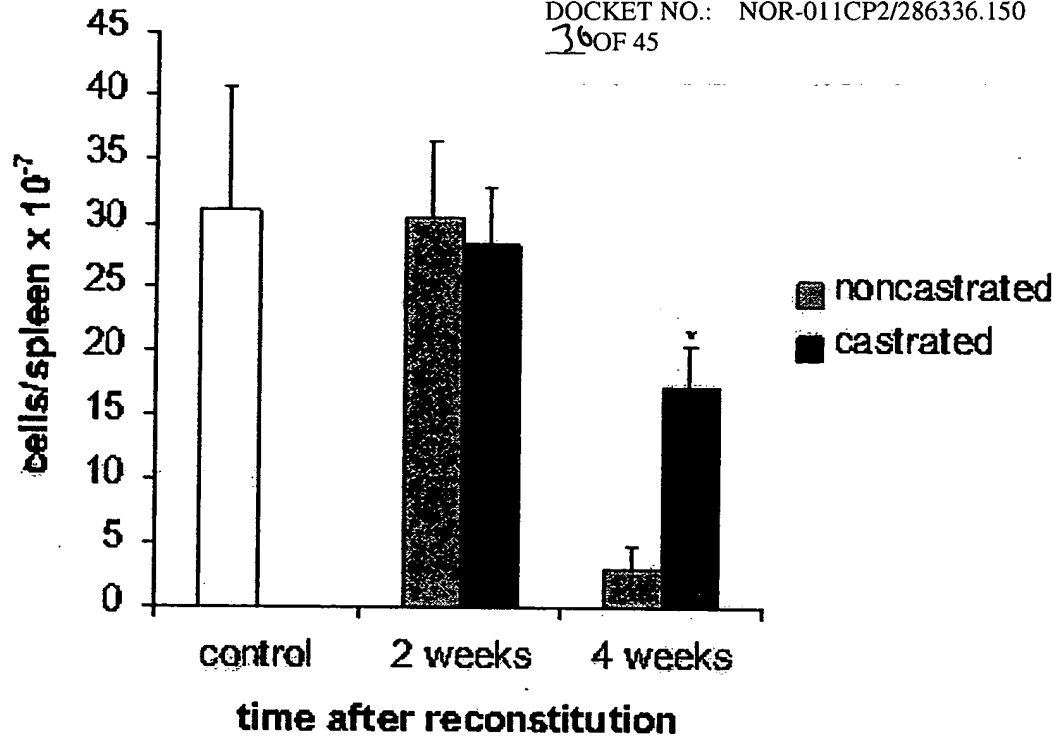


Figure 26B

A.



B.

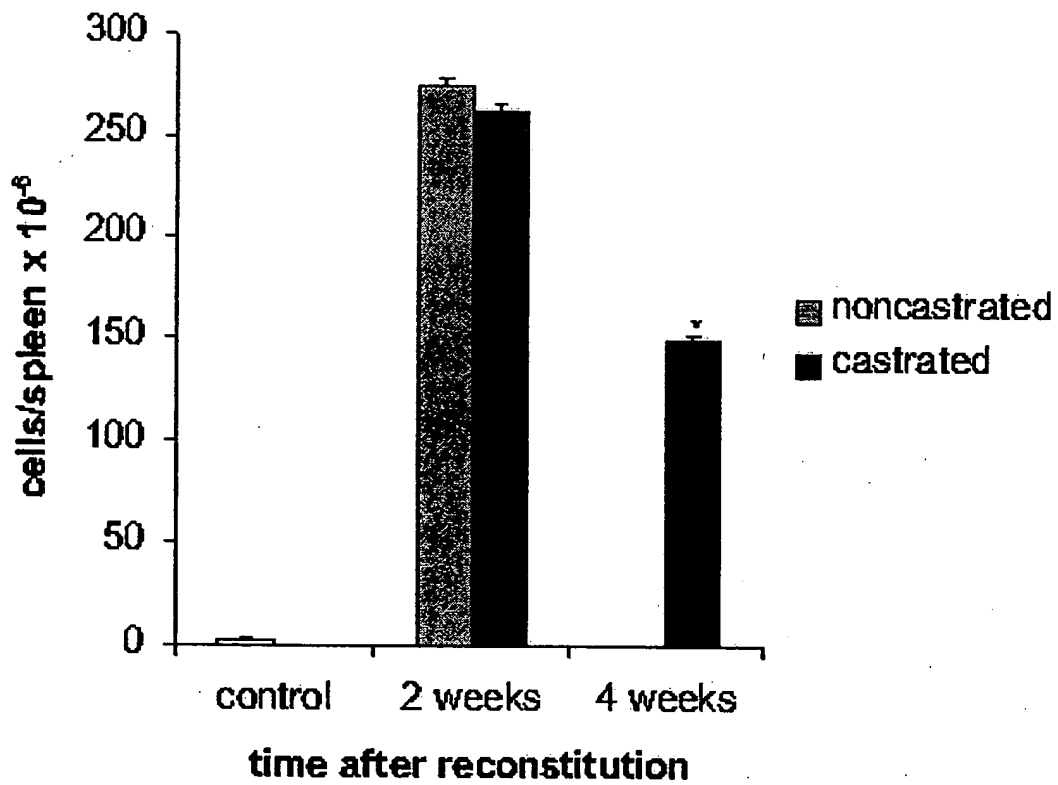


FIGURE 27.

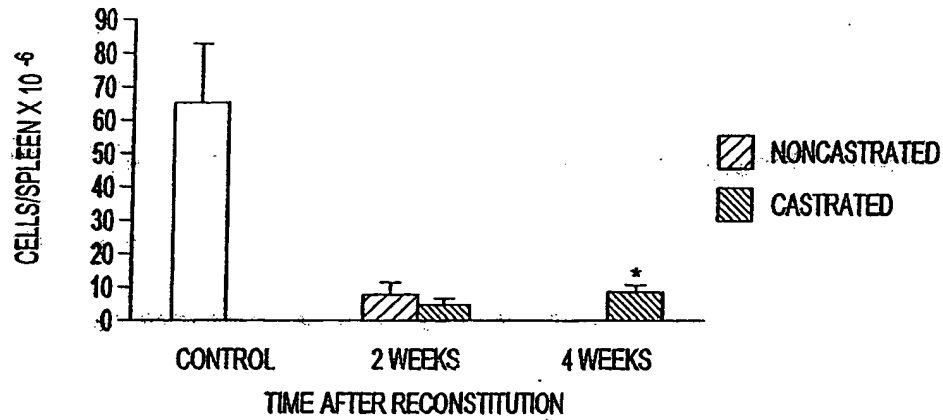


Figure 28A

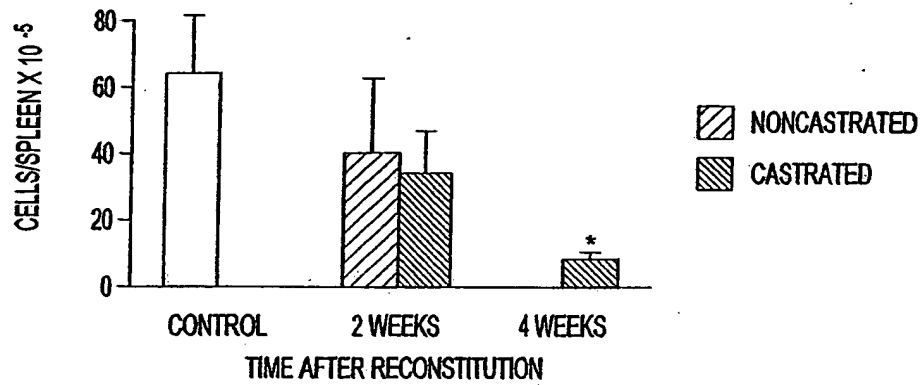


Figure 28B

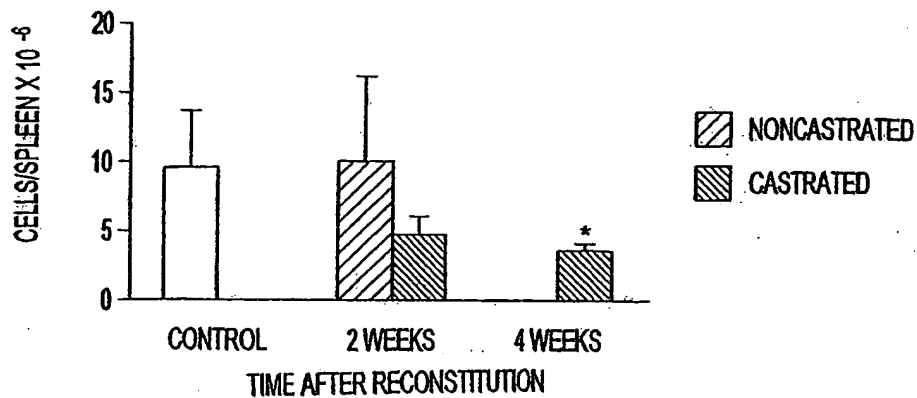


Figure 28C

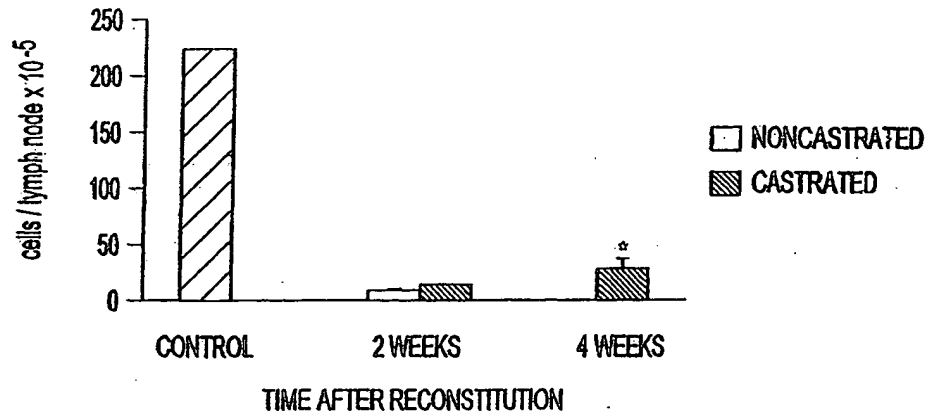


Figure 29A

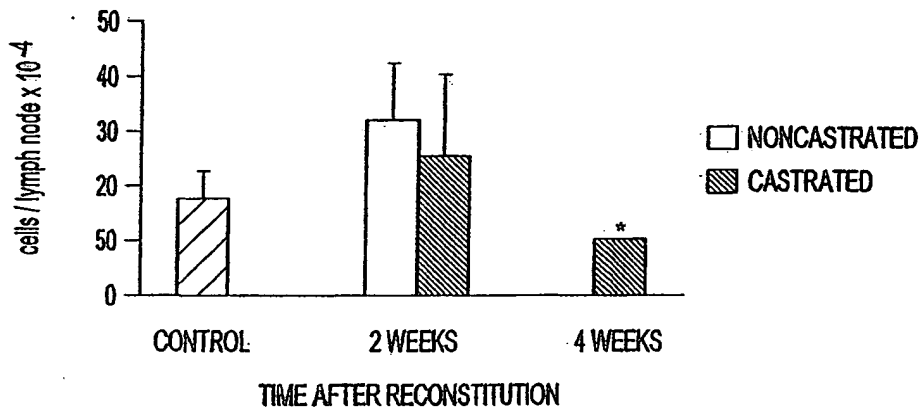


Figure 29B

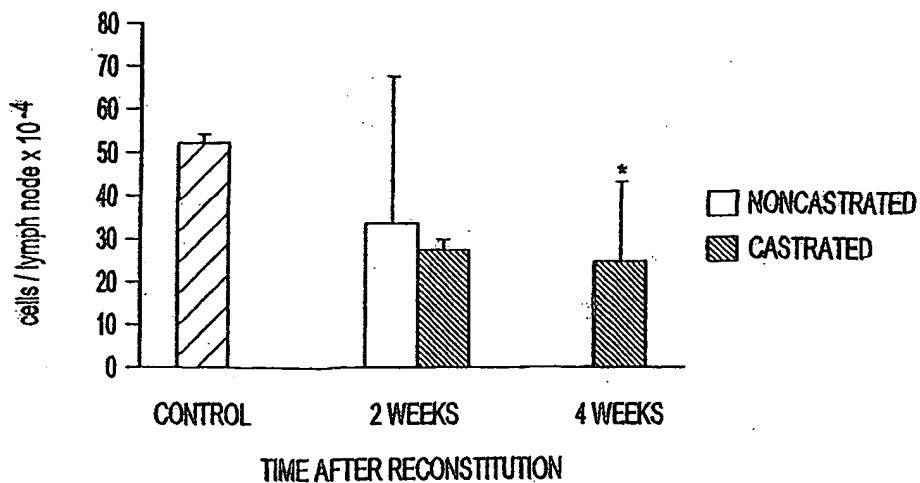
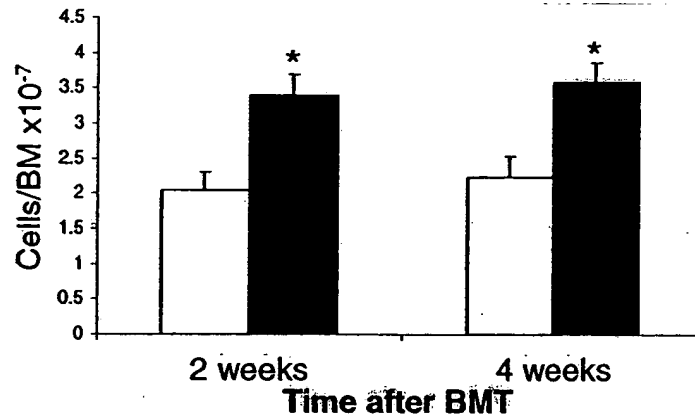
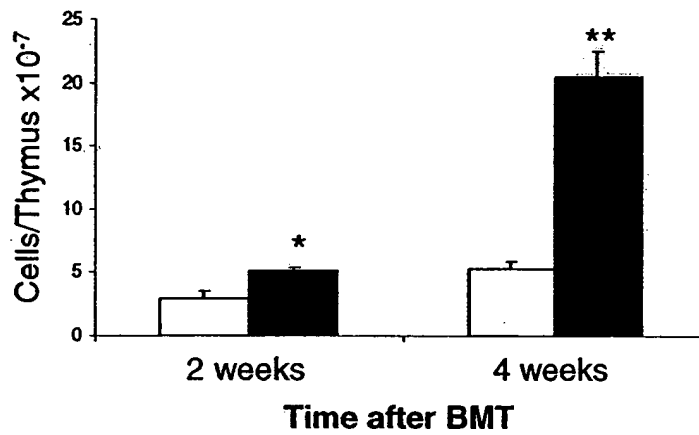


Figure 29c

A. Bone Marrow



B. Thymus



C. Spleen

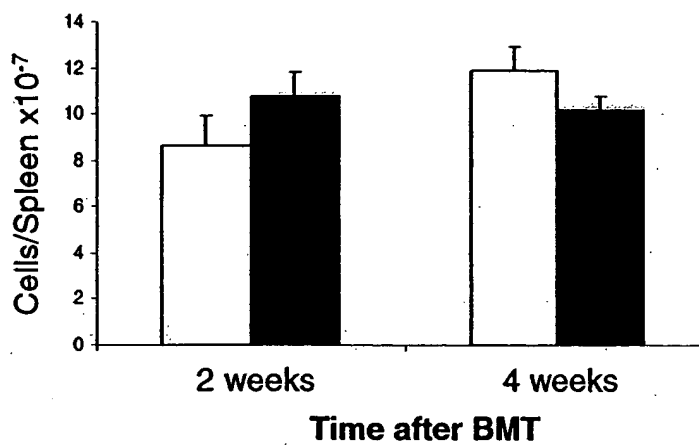


Figure 30

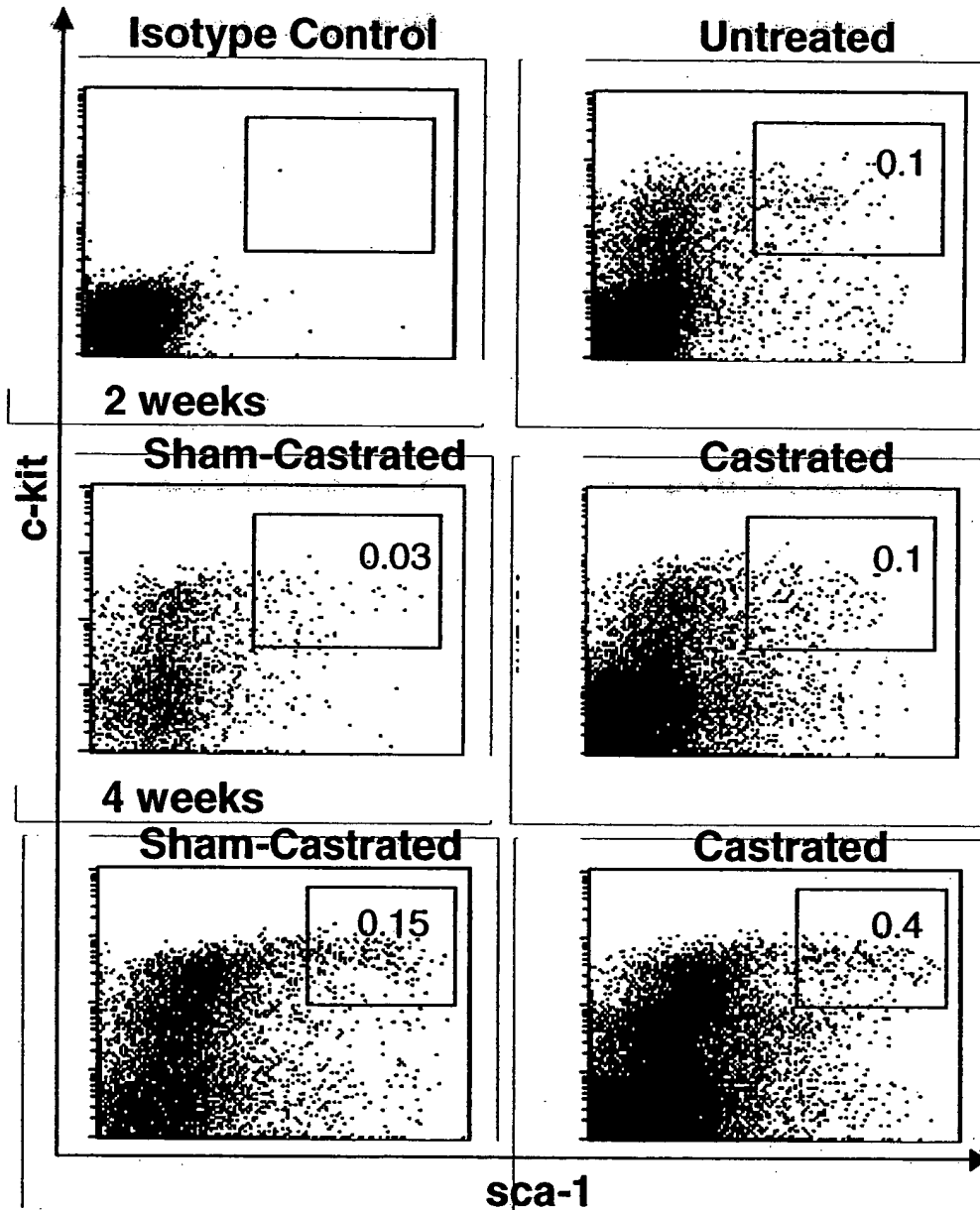
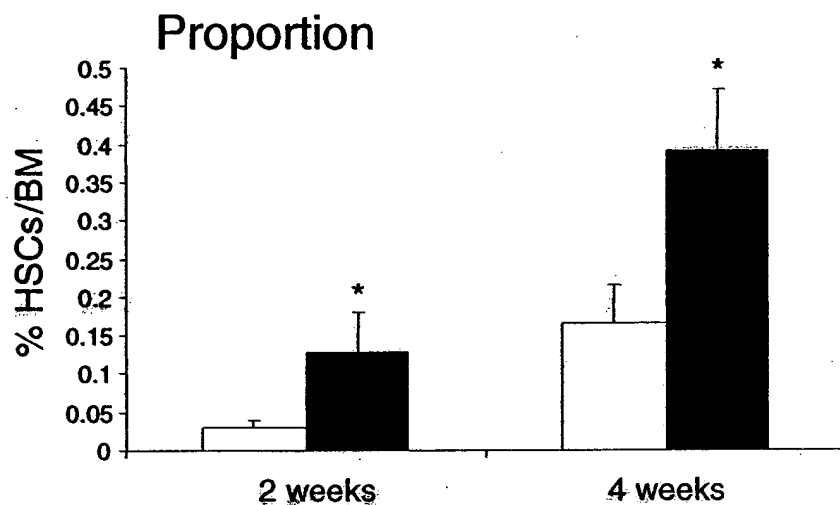


Figure 31

A.



B.

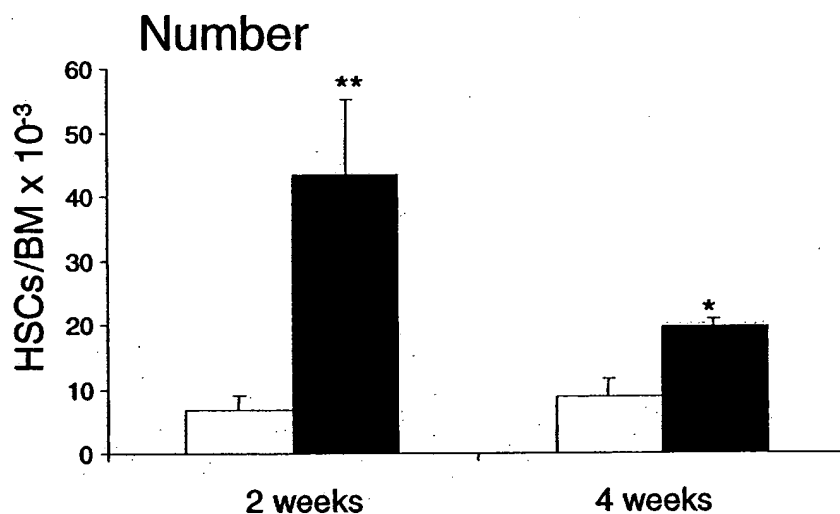
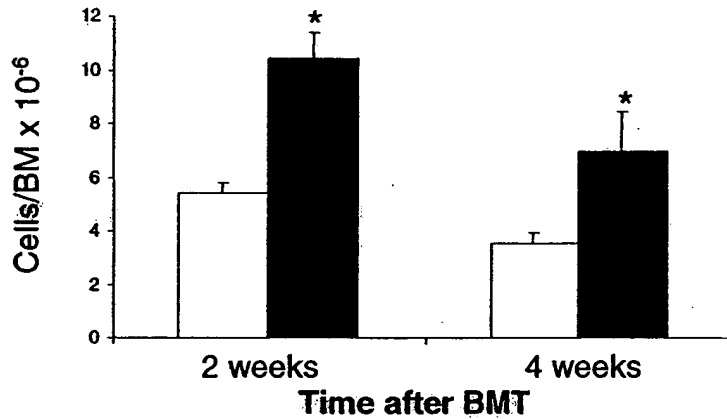


Figure 32

A. B Cell Precursors



B. B Cells

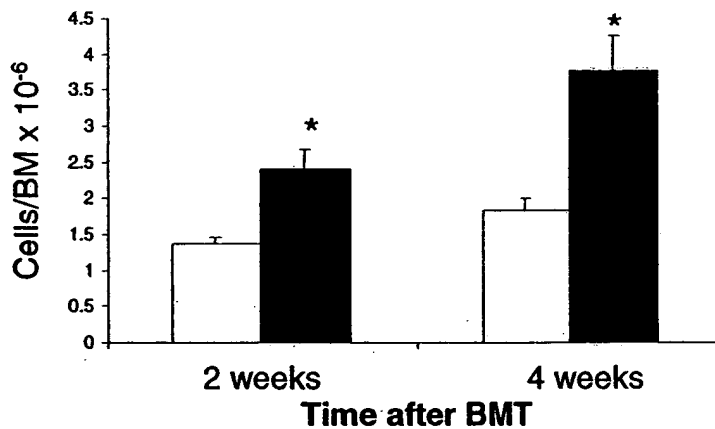


Figure 33

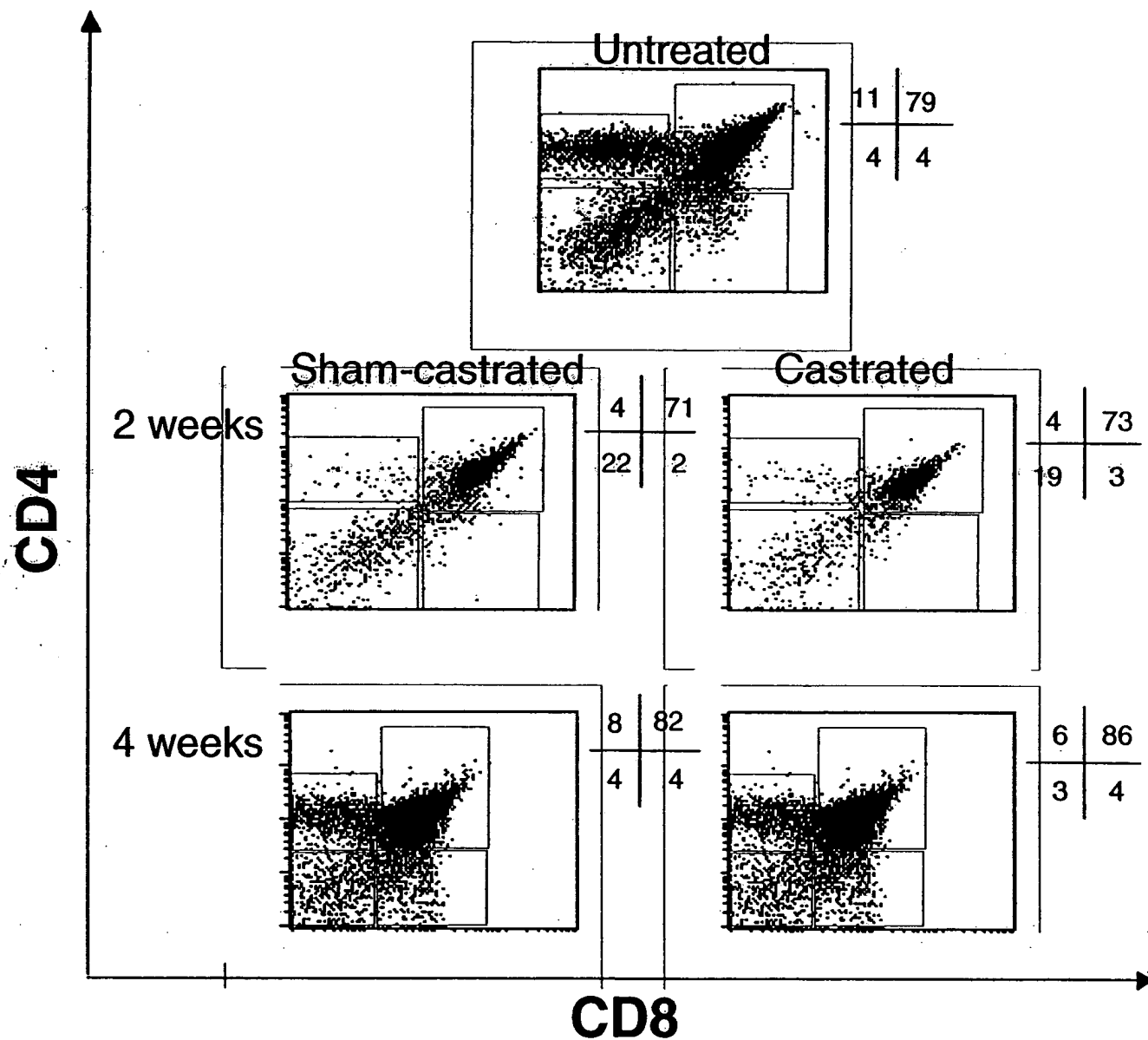


Figure 34

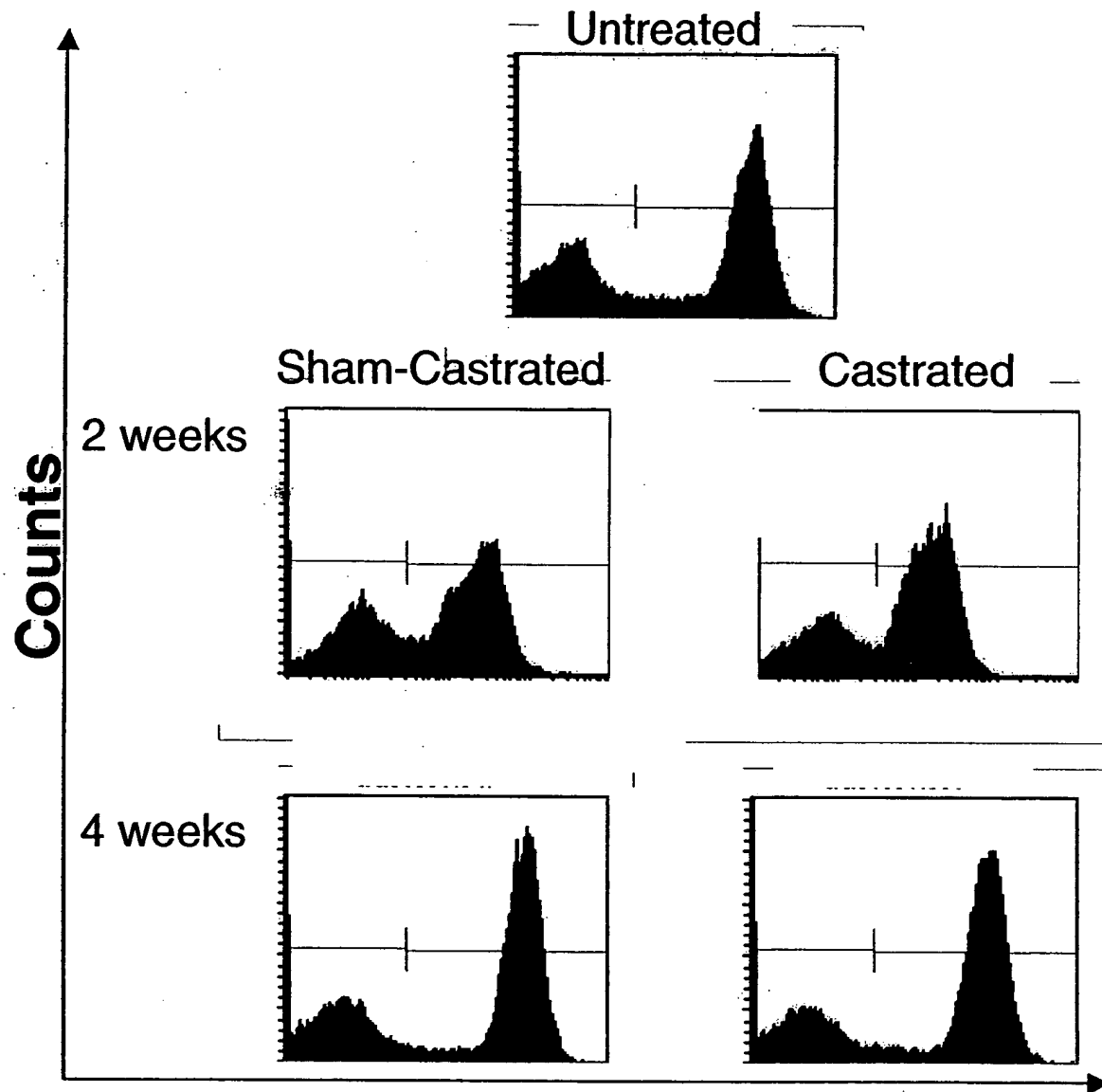


Figure 35

APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Stimulation of Thymus for Vaccination
Development
DOCKET NO.: NOR-011CP2/286336.150
~~34~~ OF 45

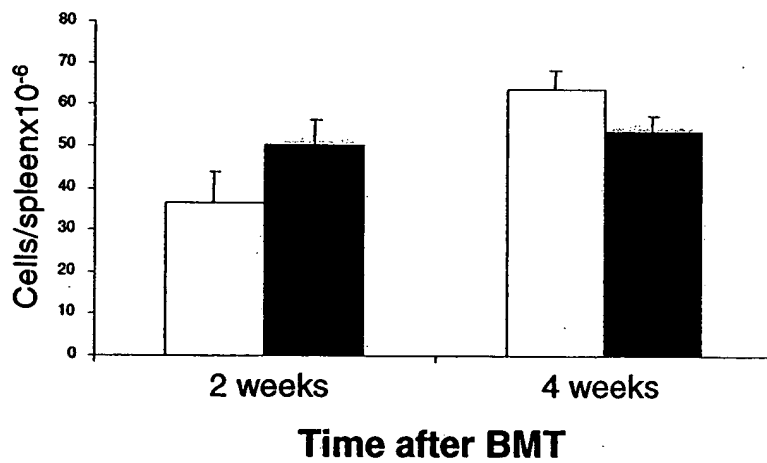
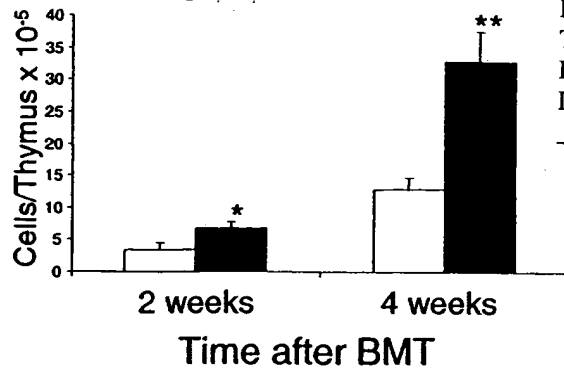


Figure 36

A.

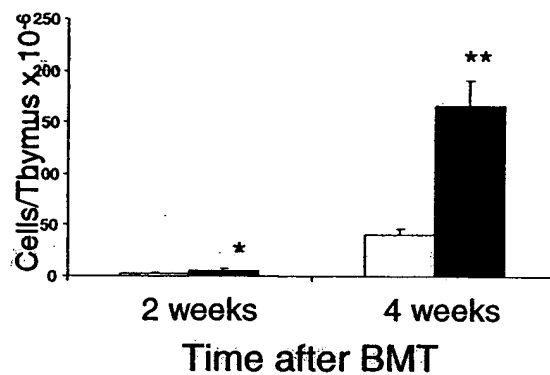
Triple Negative



APPLICANT: Boyd
APPLN. NO.: TBD
FILING DATE: December 30, 2003
TITLE: Stimulation of Thymus for Vaccination
Development
DOCKET NO.: NOR-011CP2/286336.150
40 OF 45

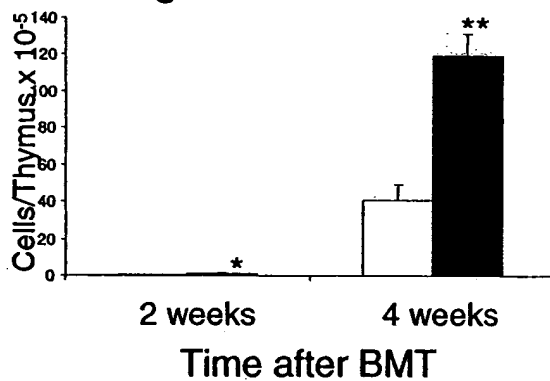
B.

Double Positive



C.

CD4 Single Positive



D.

CD8 Single Positive

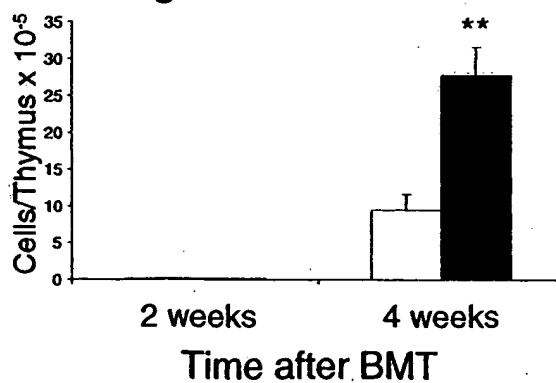


Figure 37

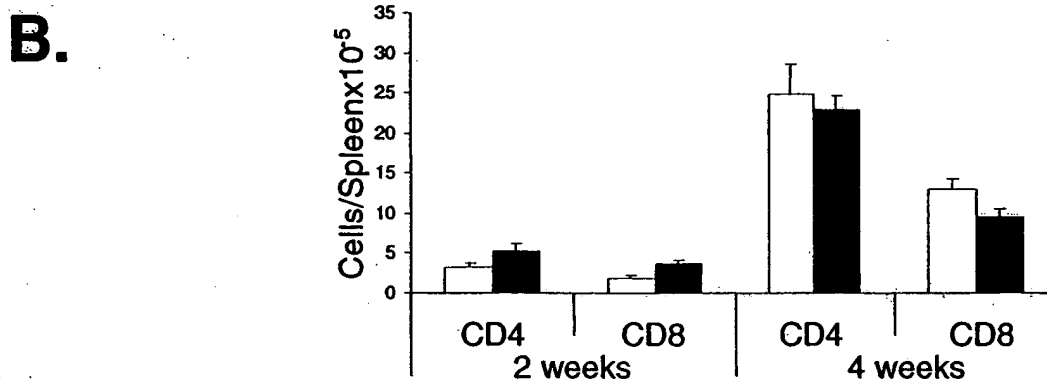
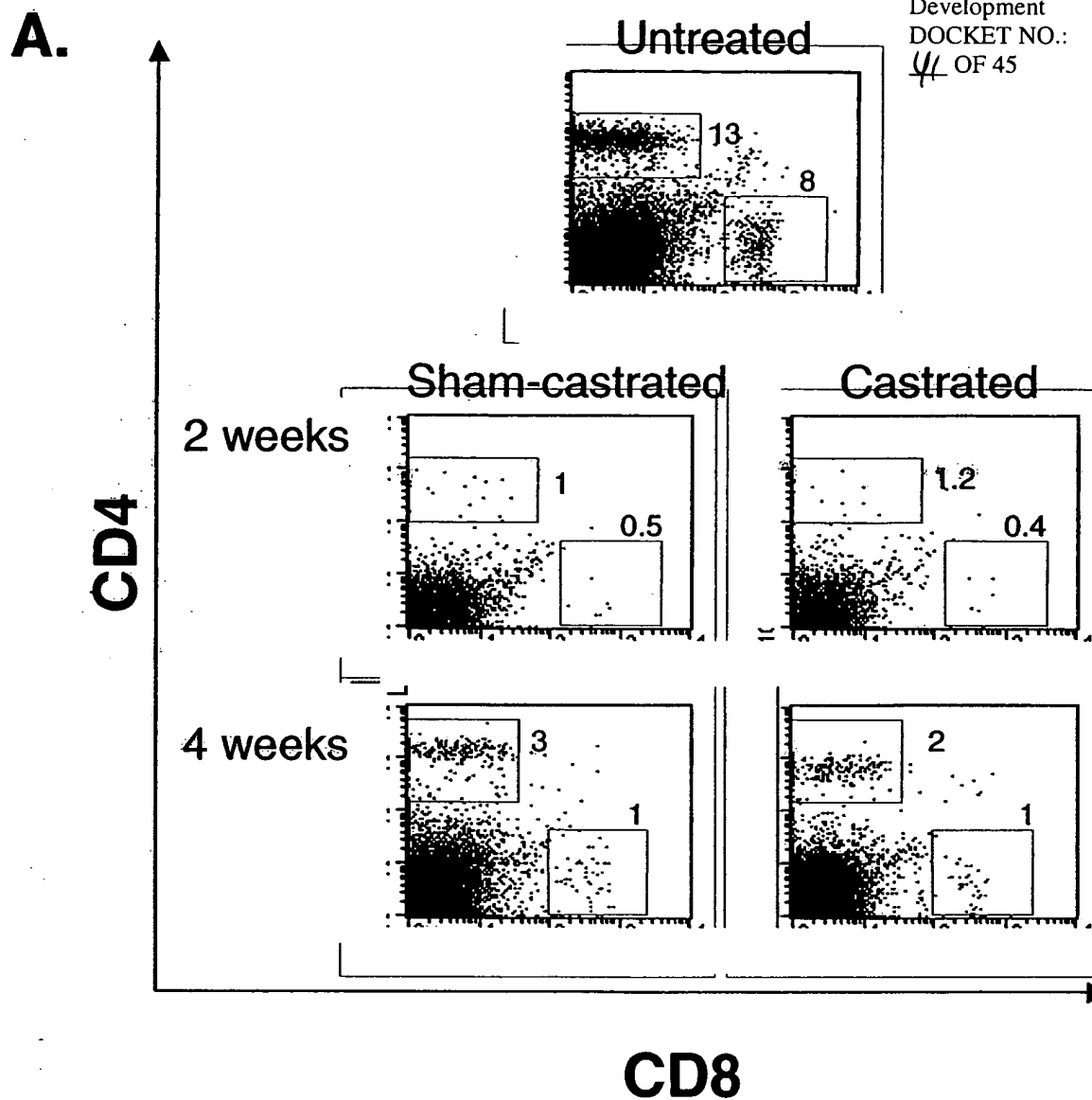
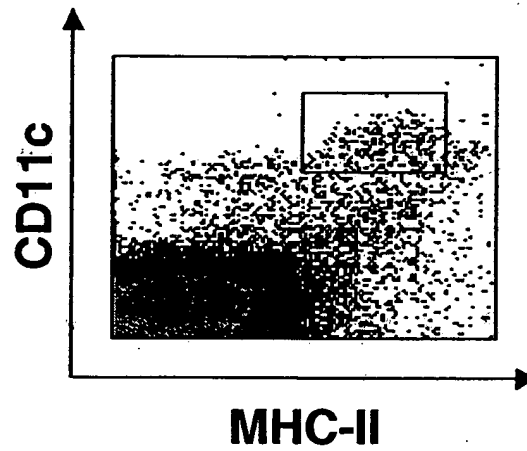


Figure 38

A.



B.

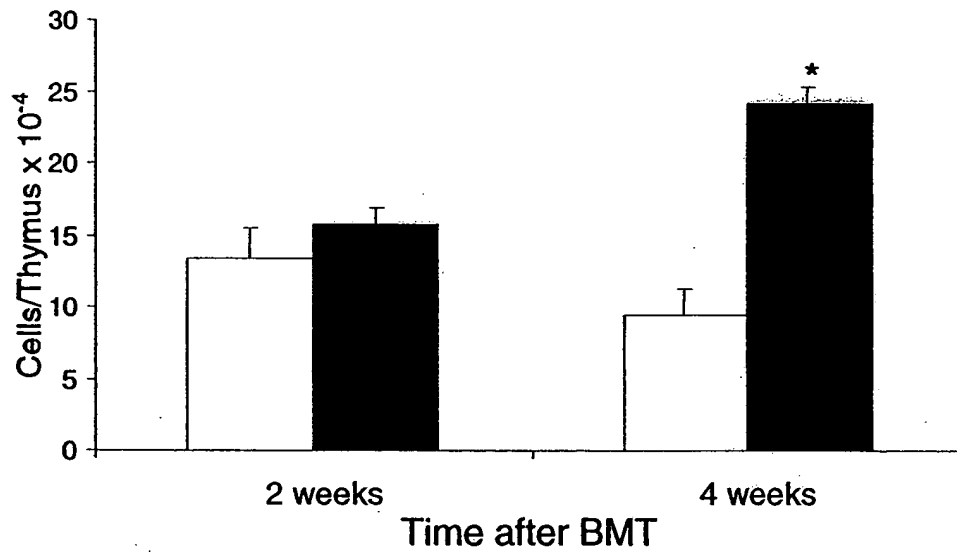


Figure 39

APPLICANT: Boyd
 APPLN. NO.: TBD
 FILING DATE: December 30, 2003
 TITLE: Stimulation of Thymus for Vaccination
 Development
 DOCKET NO.: NOR-011CP2/286336.150
 17 OF 45

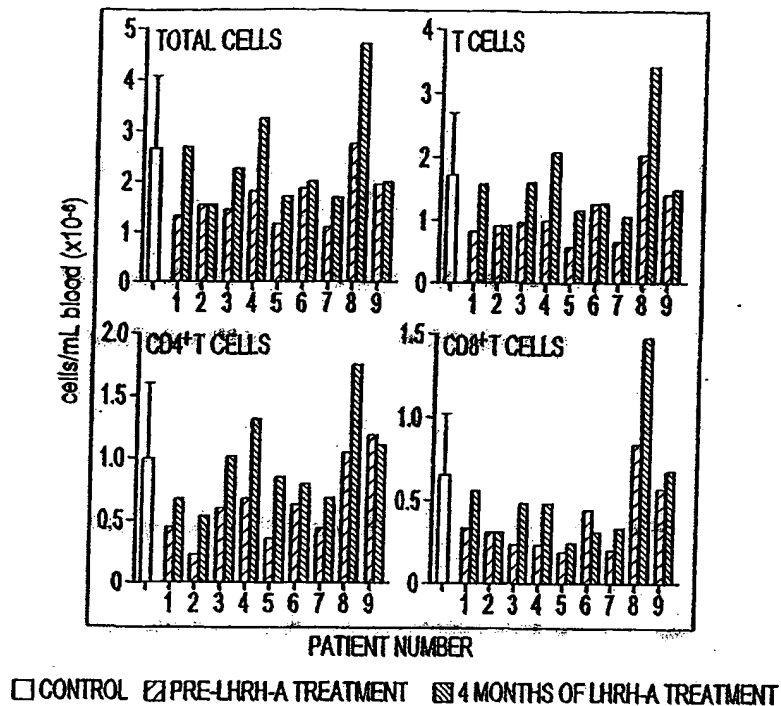


Figure 40

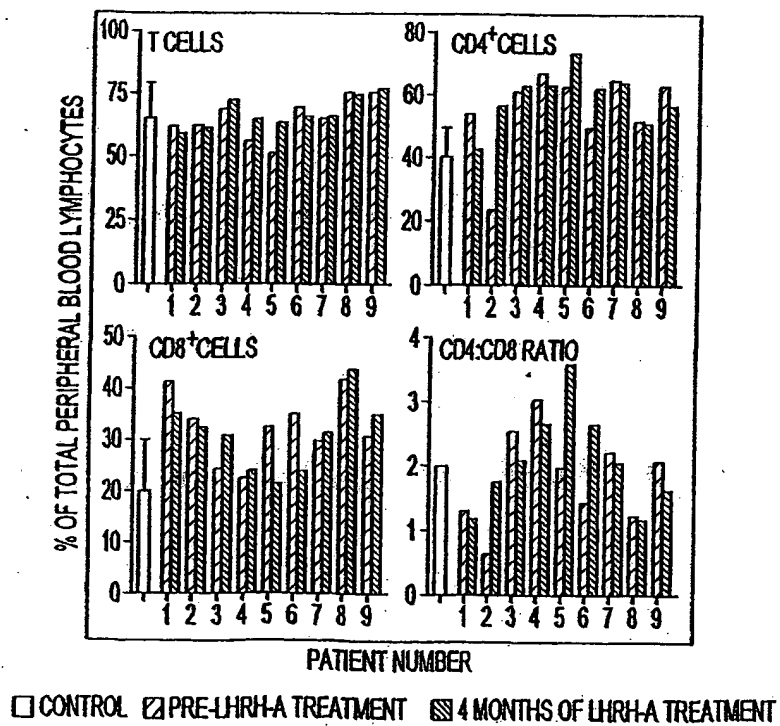


Figure 41

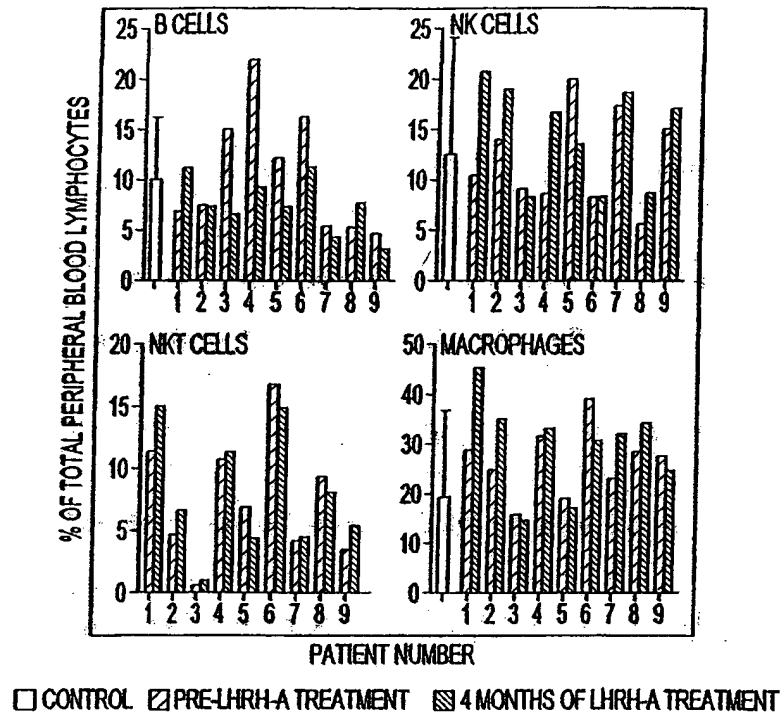


Figure 42

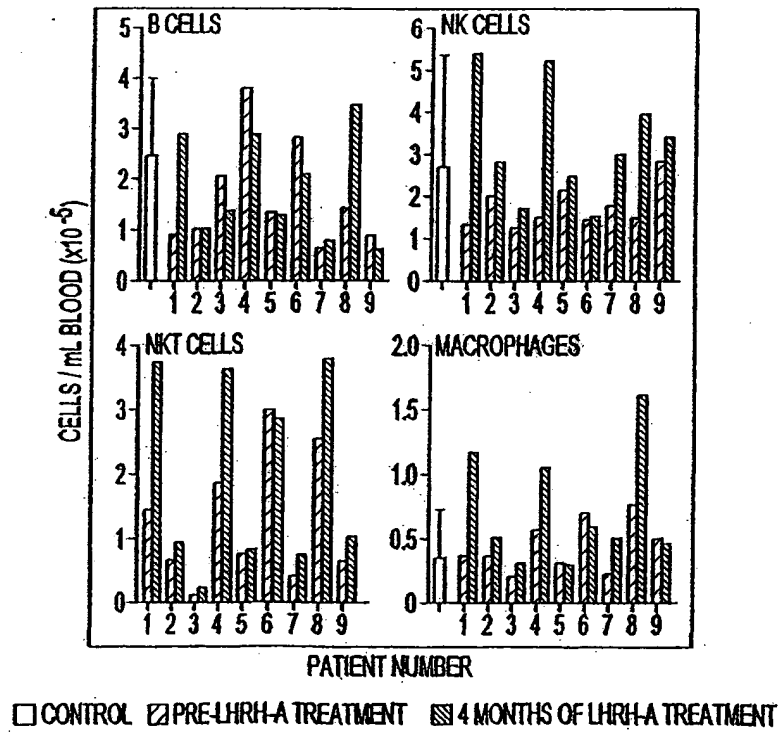


Figure 43

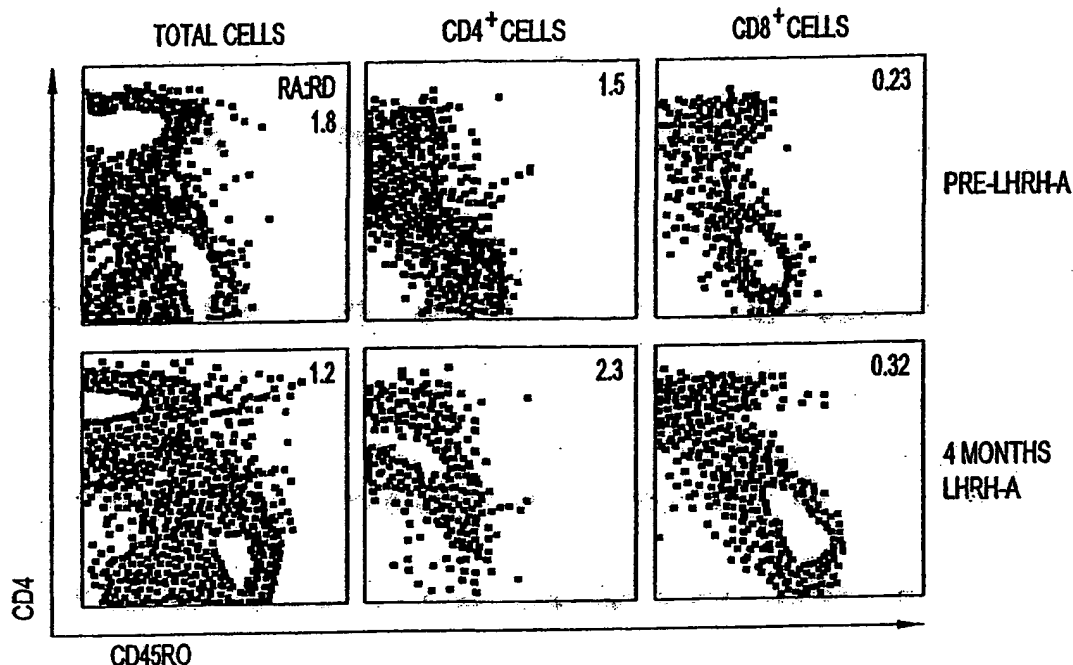


Figure 44A

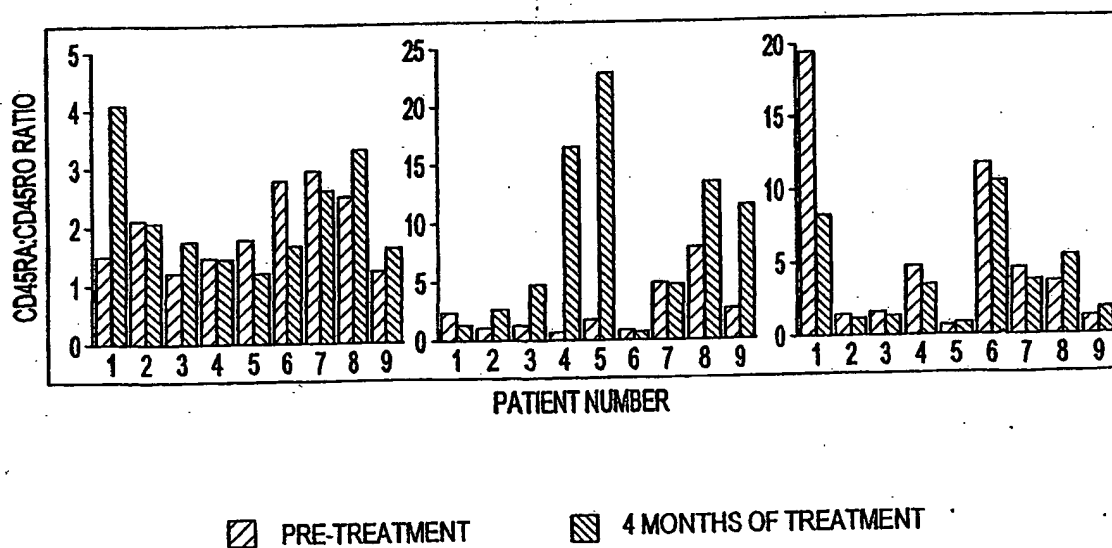


Figure 44B